



2017 WIKA USA

Manufacturer's Suggested Retail Price List

Electronic Pressure Measurement

Effective January 1, 2017

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Electronic Pressure Measurement

Effective January 1, 2017
Rev 0

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GENERAL PURPOSE

Electronic Pressure > General Purpose > S-20

Type S-20 General Purpose Pressure Transmitter

Standard features

- **Signal output:** 4-20 mA 2-wire
- **Supply voltage:** 8-35 VDC
- **Process connection:** NPT male (see below)
- **Electrical connection:** DIN with plug connector (see below)

S-20 Part Numbers

Gauge Ranges				
Description	4-20 mA 2-wire signal output			
	Standard DIN connector 1/2" NPT Male 0.25% Non-linearity		MiniDIN connector 1/4" NPT Male 0.5% Non-linearity	
Range	Part Number	MSRP	Part Number	MSRP
0-10 psi	52376460	\$462.14	52377563	\$327.81
0-15 psi	52375269	\$397.66	52376508	\$263.32
0-25 psi	52375277		52376524	
0-30 psi	52376486		52376541	
0-50 psi	52375285		52376559	
0-60 psi	52375293		52376567	
0-100 psi	52374301		52374319	
0-150 psi	52375307		52376575	
0-160 psi	52375315		52376583	
0-200 psi	52375323		52376591	
0-250 psi	52375331		52376605	
0-300 psi	52375340		52376613	
0-400 psi	52375358		52376630	
0-500 psi	52375366		52376648	
0-600 psi	52375382		52376656	
0-750 psi	52375374		52376664	
0-1,000 psi	52375391		52376672	
0-1,500 psi	52375404		52376699	
0-2,000 psi	52375412		52376753	
0-3,000 psi	52375421		52376770	
0-4,000 psi	52375439		52376796	
0-5,000 psi	52375455		52376800	
0-6,000 psi	52375447		52376818	
0-7,500 psi	52375463		52376826	
0-10,000 psi	52375471		52376834	
0-15,000 psi	52375480	\$462.14	52376842	\$327.81
0-20,000 psi	52375498		N/A	



Standard DIN connector
1/2" NPT Male
0.25% Non-linearity



MiniDIN connector
1/4" NPT Male
0.5% Non-linearity

Vacuum & Compound Ranges				
Description	4-20 mA 2-wire signal output			
	Standard DIN connector 1/2" NPT Male 0.25% Non-linearity		MiniDIN connector 1/4" NPT Male 0.5% Non-linearity	
Range	Part Number	MSRP	Part Number	MSRP
30"-0 HgVac	52375595	\$472.89	52377199	\$338.55
30"-0-30 psi	52375609		52377202	
30"-0-60 psi	52375617		52377211	
30"-0-100 psi	52375625		52377229	
30"-0-160 psi	52375633		52377237	
30"-0-200 psi	52375641		52377245	

Absolute Ranges				
Description	4-20 mA 2-wire signal output			
	Standard DIN connector 1/2" NPT Male 0.25% Non-linearity		MiniDIN connector 1/4" NPT Male 0.5% Non-linearity	
Range	Part Number	MSRP	Part Number	MSRP
0-15 psia	52375501	\$472.89	52376851	\$338.55
0-25 psia	52375528		52376877	
0-50 psia	52375552		52376885	
0-100 psia	52375579		52376907	
0-250 psia	52375561		52376915	
0-500 psia	52375587		52376923	

GENERAL PURPOSE

Electronic Pressure > General Purpose > S-20

S-20 MSRP and Selection Guide			
Field	Code	Feature	
1	Base Price		\$263.32
	Adders		
	Non-linearity		
	6	0.5% B.F.S.L	N/C
	3	0.25% B.F.S.L.	\$134.35
2	B	0.125% B.F.S.L	\$182.71
	?	Other	On Inquiry
3	Unit		
	P	psi	N/C
	B	bar	N/C
4	?	Other - please specify	On Inquiry
	Pressure reference		
	G	Gauge	N/C
	V	Vacuum or compound	\$75.23
	A	Absolute	\$75.23
5	?	Other - please specify	On Inquiry
	Pressure range		
	269	0...10 psi (0...10 psi abs)	\$64.49
	310	0...15 psi (0...15 psi abs) (-30 InHg...0 vac)	N/C
	317	0...25 psi (0...25 psi abs)	N/C
6	321	0...30 psi (0...30 psi abs)	N/C
	331	-30 InHg...+30 psi	N/C
	335	0...50 psi (0...50 psi abs)	N/C
7	341	0...60 psi (0...60 psi abs) (-30 InHg...+45 psi)	N/C
	351	-30 InHg...+60 psi	N/C
	369	0...100 psi (0...100 psi abs)	N/C
8	379	-30 InHg...+100 psi	N/C
	410	0...150 psi (0...150 psi abs)	N/C
	411	0...160 psi	N/C
9	412	-30 InHg...+160 psi	N/C
	414	0...200 psi (0...200 psi abs)	N/C
	415	-30 InHg...+200 psi	N/C
10	417	0...250 psi (0...250 psi abs)	N/C
	421	0...300 psi (0...300 psi abs)	N/C
	422	-30 InHg...+300 psi	N/C
11	428	0...400 psi (0...400 psi abs)	N/C
	434	0...500 psi (0...500 psi abs)	N/C
	441	0...600 psi	N/C
12	452	0...750 psi	N/C
	469	0...1,000 psi	N/C
	510	0...1,500 psi	N/C
13	514	0...2,000 psi	N/C
	521	0...3,000 psi	N/C
	528	0...4,000 psi	N/C
14	534	0...5,000 psi	N/C
	541	0...6,000 psi	N/C
	552	0...7,500 psi	N/C
15	569	0...10,000 psi	N/C
	610	0...15,000 psi	\$64.49
	614	0...20,000 psi	\$64.49
16	???	Other	On Inquiry
	Process connection		
	ND	1/2" NPT male	N/C
17	NB	1/4" NPT male	N/C
	NP	1/4" NPT female	N/C
	NH	1/8" NPT male	N/C
18	MV	7/16"-20 UNF SAE O-Ring Boss	N/C
	U2	7/16"-20 UNF SAE J514 74°	N/C
	UV	9/16"-18 UNF SAE O-Ring Boss	N/C
19	??	Other - please specify	On Inquiry
	Sealing washer		
	Z	None (always with NPT threads)	N/C
20	?	Other - please specify	On Inquiry

S-20 MSRP and Selection Guide			
Field	Code	Feature	
7	Media temperature rating		
	3K	-30...+100°C	N/C
	4Q	-40...+125°C	\$53.74
	??	Other - please specify	On Inquiry
8	Signal output		
	A	4...20 mA, 2-wire (supply: 8-35 VDC)	N/C
	F	0 ... 10 V, 3-wire (supply: 12-35 VDC)	N/C
	G	0 ... 5 V, 3-wire (supply: 8-35 VDC)	N/C
	K	1 ... 5 V, 3-wire (supply: 8-35 VDC)	N/C
9	L	1 ... 6 V, 3-wire (supply: 9-35 VDC)	N/C
	1	0.5 ... 4.5 V, 3-wire (supply: 8-35 VDC)	N/C
	W	0.5 ... 4.5 V, 3-wire ratiometric (supply: 5 VDC +/- 10%)	N/C
	D	20 ... 4 mA, 2-wire reverse output (supply: 8-35 VDC)	\$37.63
	O	10 ... 0 V, 3-wire reverse output (supply: 12-35 VDC)	\$37.63
10	?	Other - please specify	On Inquiry
	Electrical connection		
	AG	DIN 175301-803 A L connector	N/C
	CG	DIN 175301-803 C L connector	N/C
	M4	M12 x 1 (4-pin) circular connector	N/C
11	C6	6-pin Bayonet connector (Mil plug)	\$69.86
	FI	Field case IP69k	\$107.48
	DL	Cable, IP67	\$48.37
	2X	1/2" NPT conduit with cable	\$69.86
	??	Other - please specify	On Inquiry
12	Mating connector options (Match with previous 2 character connector codes)		
	G	Mating connector included	N/C
	C	1/2" NPT conduit connector included (only with AG)	N/C
	W	Connector with molded cable	\$21.50
	V	Connector with molded, shielded cable (only with AG)	\$37.63
13	Z	No connector provided	N/C
	S	Straight connector with molded cable	\$16.13
	T	Straight connector with shielded molded cable	\$26.87
	W	Angular connector with molded cable	\$16.13
	Z	Without (always with C6, FI, DL, 2X)	N/C
14	?	Other - please specify	On Inquiry
	Cable end finishing		
	Z	Non-terminated	N/C
	U	Cable with free ends, tinned leads	N/C
	?	Other - please specify	On Inquiry
15	Cable length		
	ZZ	None (always with cable end finishing Z)	N/C
	F6	6 feet	\$10.74
	FC	15 feet	\$26.87
	??	Other - please specify	On Inquiry
16	Certificates		
	Z	Without	N/C
	?	Other - please specify	On Inquiry
17	Approvals		
	Z	Without	N/C
	??	Other - please specify	On Inquiry
18	Additional order details		
	Z	Without	N/C
	T	Additional text	On Inquiry

ELECTRONIC PRESSURE

Order Code: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15*

S-20 - - - - - -

*Additional order details

For datasheets and additional information, please visit www.wika.com or call 1-888-945-2872.

Type S-11 Flush Diaphragm Pressure Transmitter

Standard features

- **Signal output:** 4-20 mA 2-wire
- **Supply voltage:** 10-30 VDC
- **Electrical connection:** DIN EN 175301-803 (DIN 43 650) with plug connector
- **Process connection:** G1B or G1/2B depending upon pressure range



S-11 Part Numbers

Gauge Ranges		
Description		
Range	Part Number	MSRP
0-50 inWC ¹	9739640	\$511.46
0-100 inWC ¹	8341473	
0-5 psi ¹	4204051	
0-10 psi ¹	8341074	
0-15 psi ¹	8345726	
0-25 psi ¹	8395736	
0-30 psi ¹	7113644	
0-50 psi	8395766	
0-60 psi	8351312	
0-100 psi	8341724	
0-160 psi	8643407	
0-200 psi	8641064	
0-250 psi	8341961	
0-300 psi	8341171	
0-400 psi	8342003	
0-500 psi	8341197	
0-600 psi	8345745	
0-750 psi	8352865	
0-1,000 psi	9777517	
0-1,500 psi	8366706	
0-2,000 psi	8640823	
0-3,000 psi	8341758	
0-5,000 psi	8340646	
0-8,000 psi	9749581	

Vacuum & Compound Ranges		
Description		
Range	Part Number	MSRP
30"-0 HgVac ¹	8395706	\$607.76
30"-0-30 psi	9796058	
30"-0-60 psi	8345622	
30"-0-100 psi	8340242	
30"-0-200 psi	8342118	

NOTES:

¹ Pressure ranges from 50 inWC to 25 PSI are supplied with G1B flush process connections; see datasheet for details

Standard items shown in **bold print**. (Subject to prior sale)

GENERAL PURPOSE

Electronic Pressure > General Purpose > S-11



S-11 MSRP and Selection Guide			
Field	Code	Feature	
			Base Price
			\$511.46
			Adders
Signal output			
1	A	4... 20 mA, 2-wire	N/C
	B	0... 20 mA, 3-wire	\$96.36
	F	0... 10 V, 3-wire (supply: 14-30 VDC)	\$96.36
	G	0... 5 V, 3-wire	\$96.36
	W	0.5 ... 4.5 V 3-wire ratiometric (supply: 5 VDC +/- 10%)	\$96.36
	?	Other - please specify	On Inquiry
Unit			
2	P	psi	N/C
	N	InWC	N/C
	3	psi absolute (from 15 psi to 250 psi absolute)	\$96.36
	?	Other - please specify	On Inquiry
Pressure range			
3	CA	-30 inHg ... 0	\$96.36
	CD	-30 inHg ... 30 psi	\$96.36
	CF	-30 inHg ... 60 psi	\$96.36
	CH	-30 inHg ... 100 psi	\$96.36
	CK	-30 inHg ... 160 psi	\$96.36
	CL	-30 inHg ... 200 psi	\$96.36
	GG	0 InWC ... 50 InWC	N/C
	GU	0 InWC ... 100 InWC	N/C
	CN	0 psi ... 5 psi	N/C
	CP	0 psi ... 10 psi	N/C
	BC	0 psi ... 15 psi (0 psi ... 15 psi absolute)	N/C
	CQ	0 psi ... 25 psi (0 psi ... 25 psi absolute)	N/C
	BD	0 psi ... 30 psi	N/C
	DA	0 psi ... 50 psi (0 psi ... 50 psi absolute)	N/C
	BE	0 psi ... 60 psi	N/C
	BF	0 psi ... 100 psi (0 psi ... 100 psi absolute)	N/C
	BG	0 psi ... 160 psi	N/C
	BH	0 psi ... 200 psi	N/C
	DG	0 psi ... 250 psi (0 psi ... 250 psi absolute)	N/C
	BI	0 psi ... 300 psi	N/C
	BK	0 psi ... 400 psi	N/C
	DI	0 psi ... 500 psi	N/C
	BL	0 psi ... 600 psi	N/C
	DJ	0 psi ... 750 psi	N/C
	BN	0 psi ... 1,000 psi	N/C
	BO	0 psi ... 1,500 psi	N/C
	BP	0 psi ... 2,000 psi	N/C
	BQ	0 psi ... 3,000 psi	N/C
	BS	0 psi ... 5,000 psi	N/C
	DS	0 psi ... 8,000 psi	N/C
	??	Other - please specify	On Inquiry
Process connection			
4	85	G 1 B, flush diaphragm with O-ring (up to 25 psi)	N/C
	86	G 1/2 B, flush diaphragm with O-ring ($\geq$ 30 psi)	N/C
	??	Other - please specify	On Inquiry
Material of wetted parts			
5	1	Stainless steel, NBR O-Ring ¹	N/C
	L	Stainless steel, Viton® O-Ring	\$16.35
	?	Other - please specify	On Inquiry
Special design features			
6	Z	Without	N/C
	G	Suitable for food	\$66.74
	?	Other - please specify	On Inquiry
Accuracy			
7	G	+/- 0.25% B.F.S.L.	N/C
	K	+/- 0.125% B.F.S.L. (> 100 inWC)	\$51.91

S-11 MSRP and Selection Guide			
Field	Code	Feature	
			Adders
Electrical connection			
8	A4	4 Pin L-plug DIN 175301-803 with (NEMA 5 / IP 65)	N/C
	AX	4 Pin L-plug DIN 175301-803 with 1/2" NPT female conduit (NEMA 5 / IP 65)	\$6.84
	DL	Cable with free ends (NEMA 4 / IP 67)	\$71.17
	2X	1/2" male conduit with cable (NEMA 4 / IP 67)	\$71.17
	XM	Submersible cable (NEMA 6 / IP 68)	\$185.34
	O4	4 Pin MIL Plug PT02E-8-4P (NEMA 5 / IP 65)	\$96.36
	O6	6 Pin MIL Plug PT02E-10-6P (NEMA 5 / IP 65)	\$96.36
	??	Other - please specify	On Inquiry
Cable length			
9	Z	Without (always with plug connection)	N/C
	Y	5 feet	N/C
	1	10 feet	\$14.84
	2	20 feet	\$44.52
	3	30 feet	\$74.13
	4	40 feet	\$103.75
	5	50 feet	\$133.43
	?	Other - please specify	On Inquiry
Temperature range of medium			
10	A	-30 ... +100 °C (-22 ... +212 °F)	N/C
	C	-20 ... +150 °C (-4 ... +302 °F) with cooling element	On Inquiry
Approvals			
11	Z	Without	N/C
	?	Other - please specify	On Inquiry
Quality certificates			
12	Z	Without	N/C
	I	NIST Certificate of Calibration (always with 0.125% accuracy)	\$81.53
	?	Other - please specify	On Inquiry
Digital display			
13	Z	Without	N/C
	1	Digital Display (order separately)	On Inquiry
Additional order details			
14	Z	Without	N/C
	T	Additional order details	N/C

NOTES:

¹ Not available with cooling element option (Field 10, Code C)

² Maximum media temperature is -4 ... +140° F (-20 ... +60° C) for pressure ranges 100 InWC to 500 psi. (Field 6, Code A)

Order Code: 1 2 3 4 5 6 7 8 9 10 11 12 13 14*

S-11 - - - - -

*Additional order details

For datasheets and additional information, please visit www.wika.com or call 1-888-945-2872.

Type F-21 Flush Diaphragm Pressure Transmitter with NEMA 4X Integral Junction Box

Standard features

- Signal output: 4-20 mA 2-wire
- Supply voltage: 11-30 VDC
- Process connection: G1/2B or G1B flush diaphragm depending upon pressure range
- Electrical connection: Field case with 1/2" NPT female conduit

F-21 Part Numbers

Gauge Ranges		
Description		
Range	Part Number	MSRP
0-50 inWC ¹	12126331	\$689.35
0-5 psi ¹	12127728	
0-10 psi ¹	12127736	
0-100 psi	12127744	

NOTE:
¹ Pressure ranges from 50 inWC to 25 psi are supplied with G1B flush process connections; see datasheet for details.

Standard items shown in **bold print**. (Subject to prior sale)



Electronic Pressure > General Purpose > F-21

ELECTRONIC PRESSURE

² Maximum media temperature is -4 ... +140°F (-20 ... +60°C) for pressure ranges 100 InWC to 500 psi.

*Additional order details

Type A-10 General Purpose Pressure Transmitter

Standard features

- Signal output: 4-20 mA 2-wire or 0-10 V 3-wire
- Supply voltage: 8-30 DC (14-30 VDC)
- Process connection: 1/4 NPT male
- Electrical connection: DIN EN 175301-803 (DIN 43 650) with plug connector
- Non-linearity: ≤ +/- 0.5% B.F.S.L.

A-10 Part Numbers

Description			
Range	Part Number		MSRP
	4-20 maA 2-wire	0-10 V-3-wire	
0 ... 50 inWc	On Inquiry	On Inquiry	\$231.74
0 ... 100 inWc	On Inquiry	On Inquiry	
0 ... 150 inWc	On Inquiry	On Inquiry	
0 ... 200 inWc	On Inquiry	On Inquiry	
0 ... 250 inWc	On Inquiry	On Inquiry	\$128.74
0 ... 15 psia	50426354	50426737	\$159.59
0 ... 100 psia	50426389	50426761	
0 ... 1 psi	On Inquiry	On Inquiry	\$231.74
0 ... 5 psi	On Inquiry	On Inquiry	
0 ... 15 psi	50426397	50426770	\$128.74
0 ... 25 psi	50426401	50426788	
0 ... 50 psi	50426427	50426800	
0 ... 100 psi	50372475	50426818	
0 ... 200 psi	50398083	50426834	
0 ... 300 psi	50426460	50426842	
0 ... 500 psi	50426478	50426851	
0 ... 1,000 psi	50426486	50426869	
0 ... 1,500 psi	50426494	50426877	
0 ... 2,000 psi	50426508	50426885	
0 ... 3,000 psi	50426516	50426893	
0 ... 5,000 psi	50372483	50426907	
0 ... 10,000 psi	50426532	50426915	



NOTE: Standard items shown in bold print. (Subject to prior sale)

GENERAL PURPOSE

Electronic Pressure > General Purpose > A-10

A-10 MSRP and Selection Guide					
Field	Code	Feature			
	Base Price			\$128.74	
				Adders	
	Non-linearity				
1	6	< + 0.5% B.F.S.L.		N/C	
	3	< + 0.25% B.F.S.L.		\$102.96	
	Unit				
	P	psi		N/C	
	N	inWc		N/C	
	?	Other		On Inquiry	
	Absolute or relative pressure				
	G	Gauge		N/C	
	A	Absolute		\$30.89	
	V	Compound		\$30.89	
	Pressure range				
	169	0 ... 1 psi		\$103.00	
	212	0 ... 50 inWc		\$103.00	
	225	0 ... 100 inWc		\$103.00	
	234	0 ... 5 psi		\$103.00	
	237	0 ... 150 inWc		\$103.00	
	250	0 ... 200 inWc		\$103.00	
	262	0 ... 250 inWc		N/C	
	310	0 ... 15 psig 0 ... 15 psia -30 inHg vacuum		N/C	
	317	0 ... 25 psig 0 ... 25 psia		N/C	
	321	0 ... 30 psig 0 ... 30 psia		N/C	
	331	-30 inHg ... 30 psi		N/C	
	335	0 ... 50 psig 0 ... 50 psia		N/C	
	351	-30 inHg ... 60 psi		N/C	
	369	0 ... 100 psig 0 ... 100 psia		N/C	
	379	-30 inHg ... 100 psi		N/C	
	411	0 ... 160 psig		N/C	
	412	-30 inHg ... 160 psi		N/C	
	414	0 ... 200 psig 0 ... 200 psia		N/C	
	415	-30 inHg ... 200 psi		N/C	
	421	0 ... 300 psig 0 ... 300 psia		N/C	
	422	-30 inHg ... 300 psi		N/C	
	434	0 ... 500 psig		N/C	
	469	0 ... 1,000 psig		N/C	
	510	0 ... 1,500 psig		N/C	
	514	0 ... 2,000 psig		N/C	
	521	0 ... 3,000 psig		N/C	
	534	0 ... 5,000 psig		N/C	
	569	0 ... 10,000 psig		N/C	
4	???	Other		On Inquiry	
	Process connection				
	NB	1/4 NPT	T2	N/C	
	NP	1/4 NPT female	T2	N/C	
	ND	1/2 NPT	T2	N/C	
	MV	7/16"-20 UNF SAE O-ring Boss	T1	N/C	
	MI	M20 x 1.5	T3	N/C	
	GB	G 1/4 B	T3	N/C	
	GD	G 1/2 B	T3	N/C	
	??	other		On Inquiry	
	Sealing Thread type - see process connection		T1	T2	T3
	L	FPM/FKM	N/C	-	-
	C	Copper	-	-	N/C
	S	Stainless steel	-	-	\$11.32
	6	Z	Without		N/C
	Temperature range of medium				
	Z	0...+80 °C (-32°F ... 176 °F)		N/C	
	A	-30...+100 °C (-22°F ... 212 °F)		\$25.48	



ELECTRONIC PRESSURE

A-10 MSRP and Selection Guide		
Field	Code	Feature
		Adders
Signal output		
8	A	4 ... 20 mA, 2-wire
	F	0 ... 10 V, 3-wire
	G	0 ... 5 V, 3-wire
	K	1 ... 5 V, 3-wire
	W	0.5 ... 4.5 V, 3-wire ratiometric
	?	Other
Power supply		
9	A	8...30 V DC (only with signal outputs A, G, or K)
	C	14...30 V DC (only with signal output F)
	E	5 V DC +/- 10% (only with signal output W)
	?	Other
Electrical connection		
10	AG	Valve connector, size A (DIN)
	AK	Valve connector, size A with cable
	CG	Valve connector, size C (Mini DIN)
	CK	Valve connector, size C with cable
	M4	Circular connector M12x1, 4 pin
	MG	Angled connector M12x1, 4 pin with cable
	MI	Straight connector M12x1, 4 pin with cable
	DL	Cable with free ends (IP 67)
Cable length		
11	Z	Without
	6	6 feet (only with: AK,CK, MG, MI, or DL)
	7	15 feet (only with: AK,CK, MG, MI, or DL)
	?	Other
Certificates		
12	Z	Without
Approvals		
13	S	UL / CSA / GOST
	?	Other

Order Code: 1 2 3 4 5 6 7 8 9 10 11 12 13*

A-10 - - - - - -

*Additional order details _____

GENERAL PURPOSE

Electronic Pressure > General Purpose > DG-10

Type DG-10 Digital Pressure Gauge

Standard features

- **Case:** 3.15" diameter stainless steel
- **Process connection:** 1/4" NPT male
- **Power requirements:** 2 AA batteries
- **Stocked enhanced version includes protective rubber boot**

DG-10 Part Numbers

Description				
Range	DG-10-S Standard Part #	MSRP	DG-10-E Standard Part #	MSRP
-30 inHg...29 psi	50365444	\$395.89	50365657	\$492.14
-30 inHg...72 psi	50365452		50365673	
-30 inHg...145 psi	50365461		50365690	
0 psi ... 30 psi	50365479	\$362.85	50365720	\$459.15
0 psi ...60 psi	50365487		50365771	
0 psi ...145 psi	50365495		50365789	
0 psi ...300 psi	50365509		50365797	
0 psi ...600 psi	50365517		50365819	
0 psi ...1,450 psi	50365525	\$395.89	50365827	\$492.14
0 psi ...2,000 psi	50365584		50365835	
0 psi ...3,000 psi	50365592		50365843	
0 psi ...5,000 psi	50365614		50365851	
0 psi ...7,500 psi	50365622		50365860	
0 psi ...10,000 psi	50365631		50365878	

Type DG-10-S



Type DG-10-E

GENERAL PURPOSE

Electronic Pressure > General Purpose > DG-10

DG-10 MSRP and Selection Guide			
Field	Code	Feature	
		Base Price	\$362.85
		Adders	
1	Model		
	S	Standard	N/C
	E	Enhanced among others: Tare-function, backlit display	\$85.79
2	Display		
	8	LCD, 4-digit from -1,999 ... 9,999 Type S	N/C
	C	LCD, 4½-digit from -1,999 ... 9,999 + 2nd Display Type E	N/C
3	Unit		
	P	psi	N/C
	Absolute or relative pressure		
4	G	Gauge	N/C
	V	Compound	N/C
5	Pressure range		
	330	-30 InHg ... 29 psi	\$32.99
	360	-30 InHg ... 72 psi	\$32.99
	411	-30 InHg ... 145 psi	\$32.99
	321	0 ... 30 psi	N/C
	341	0 ... 60 psi	N/C
	399	0 ... 145 psi	N/C
	421	0 ... 300 psi	N/C
	441	0 ... 600 psi	N/C
	499	0 ... 1,450 psi	\$32.99
	514	0 ... 2,000 psi	\$32.99
	521	0 ... 3,000 psi	\$32.99
	534	0 ... 5,000 psi	\$32.99
	552	0 ... 7,500 psi	\$32.99
	569	0 ... 10,000 psi	\$32.99
6	Process connection		
	ND	½ NPT	N/C
	NB	¼ NPT	N/C
	GD	G ½ B	N/C
	GB	G ¼ B	N/C
	HD	G ¼ A DIN 3852-E	N/C
7	Material of wetted parts		
	K	Stainless steel, ceramic and sealing < 600 psi	N/C
	Q	Stainless steel > 1,450 psi	N/C
8	Temperature range of medium		
	D	-30 ... +85 °C (-22 ... +185 °F) < 600 psi	N/C
	A	-30 ... +100 °C (-22 ... +212 °F) ≥ 1,450 psi	N/C
9	Sealing		
	Z	Without	N/C
	1	NBR	N/C
	B	EPDM	N/C
10	Certificates		
	Z	Without	N/C
	I	NIST certificate	\$84.96
11	Protective rubber boot		
	Z	Without	N/C
	S	Vulcanized rubber protective boot	\$10.52
12	Additional Order Details		
	Z	Without	N/C
	T	Additional text	N/C



Type DG-10-S



Type DG-10-E

ELECTRONIC PRESSURE

Order Code: 1 2 3 4 5 6 7 8 9 10 11 12*

DG-10 - - **D** 1 - - - **Z** **Z** -

*Additional order details _____

GENERAL PURPOSE

Electronic Pressure > General Purpose > PSD-30

Type PSD-30 Pressure Transmitter with Integral LED Display and Programmable Solid-state Switches

Standard features

- Signal output: 4-20 mA 2-wire
- Switch outputs: 2, PNP
- Process connection: 1/4 NPT Male
- Electrical connection: 5 pin locking plug M12 x 1
- Approval: cULus

PSD-30 Part Numbers

Item Number	Description	MSRP
50709267	PSD-30 15 psi 4-20 mA 1/4 NPT P/P 5PLCK	\$391.92
50709275	PSD-30 25 psi 4-20 mA 1/4 NPT P/P 5PLCK	
50709283	PSD-30 50 psi 4-20 mA 1/4 NPT P/P 5PLCK	
50709321	PSD-30 100 psi 4-20 mA 1/4 NPT P/P 5PLCK	
50709330	PSD-30 200 psi 4-20 mA 1/4 NPT P/P 5PLCK	
50709356	PSD-30 500 psi 4-20 mA 1/4 NPT P/P 5PLCK	
50709364	PSD-30 2,000 psi 4-20 mA 1/4 NPT P/P 5PLCK	
50709372	PSD-30 3,000 psi 4-20 mA 1/4 NPT P/P 5PLCK	
50709381	PSD-30 5,000 psi 4-20 mA 1/4 NPT P/P 5PLCK	\$424.88
50709402	PSD-30 -14.5 psi VAC 4-20 mA 1/4 NPT P/P 5PLCK	
50709411	PSD-30 -14.5/+100 psi 4-20 mA 1/4 NPT P/P 5PLCK	

Note: "P/P" means dual PNP/PNP switches.

N/N is NPN/NPN dual switches; single switches will show a single P or N in the description.

NOTE: Standard items shown in **bold print**. (Subject to prior sale)



GENERAL PURPOSE

Electronic Pressure > General Purpose > PSD-30

PSD-30 MSRP and Selection Guide			
Field	Code	Feature	
			Base Price
			\$391.92
			Adders
Signal output			
1	Q	Dual PNP switch output + 4...20mA	N/C
	R	Dual PNP switch output + 0...10V	N/C
	V	Dual NPN switch output + 4...20mA	N/C
	?	Other	On Inquiry
Unit			
2	P	PSI (selectable bar/psi/mpa/kpa/kg/cm2)	N/C
	?	Other	On Inquiry
Pressure reference			
3	G	Gauge	N/C
	A	Absolute	\$31.65
	C	Compound	\$31.65
Pressure range			
4	310	0...15psi 0...15 psia	N/C
	320	-14.5 psi...15 psi	N/C
	351	-14.5 psi...60 psi	N/C
	379	-14.5 psi...100 psi	N/C
	415	-14.5 psi...200 psi	N/C
	422	-14.5 psi...300 psi	N/C
	317	0...25 psi 0...25 psia	N/C
	321	0...30 psi 0...30 psia	N/C
	335	0...50 psi 0...50 psia	N/C
	369	0...100 psi 0...100 psia	N/C
	411	0...160 psi 0...160 psia	N/C
	414	0...200 psi 0...200 psia	N/C
	421	0...300 psi 0...300 psia	N/C
	434	0...500 psi	N/C
	469	0...1,000 psi	N/C
	514	0...2,000 psi	N/C
	521	0...3,000 psi	N/C
	534	0...5,000 psi	N/C
	555	0...8,000 psi	N/C
	???	Other	On Inquiry
Process connection			
5	NB	1/4" NPT	N/C
	HD	G 1/4 A DIN 3852-E	N/C
	TB	G 1/4 female	N/C
	??	Other	On Inquiry
Process seal ring (not required for NPT)			
6	C	Copper	N/C
	S	Stainless steel	\$10.10
	Z	Without	N/C
	?	Other	On Inquiry
Special design features			
7	Z	Without	N/C
	E	Oil and grease free	On Inquiry
Electrical connection			
8	M5	5 pin locking plug M12x1	N/C
	??	Other	On Inquiry
Instrument configuration			
9	W	Factory standard switch settings	N/C
	K	Customer specific switch settings	On Inquiry
Approvals			
10	W	c UL us	N/C
	Z	Without	N/C
Additional order details			
11	YES	NO	
	1	Z	Quality certificates
12	T	Z	Additional text



ELECTRONIC PRESSURE

Order Code: 1 2 3 4 5 6 7 8 9 10 11 12

PSD-30 - - - - - -

*Additional order details _____

GENERAL PURPOSE

Electronic Pressure > General Purpose > TSD-30

ELECTRONIC PRESSURE

TSD-30 MSRP and Selection Guide			
Field	Code	Feature	
1	Base Price		\$315.37
			Adders
	Signal output		
	Q	Dual PNP switch output + 4...20mA	N/C
	R	Dual PNP switch output + 0...10V	N/C
	V	Dual NPN switch output + 4...20mA	N/C
2	?	Other	On Inquiry
	Unit		
3	F	Degrees °F (user selectable for °C)	N/C
	?	Other	On Inquiry
4	Temperature range		
	A	-4 ... +176 °F (user selectable for °C)	N/C
5	?	Other	On Inquiry
	Probe length		
6	25	0.98" / 25 mm	N/C
	50	1.97" / 50 mm	N/C
7	100	3.94" / 100 mm	N/C
	150	5.91" / 150 mm	\$5.71
8	250	9.84" / 250 mm	\$11.48
	300	13.78" / 350 mm	\$17.19
9	????	Other	On Inquiry
	Process connection		
10	ND	1/2" NPT	N/C
	NB	1/4" NPT	N/C
11	GT	G 1/2 A DIN 3852-E	N/C
	??	Other	On Inquiry
12	Process seal ring (not required for NPT)		
	Z	Without	N/C
13	1	NBR	N/C
	L	FPM / FKM	N/C
14	?	Other	On Inquiry
	Electrical connection		
15	M5	5 pin locking plug M12x1 (NEMA 5 / IP65)	N/C
	?	Other	On Inquiry
16	Instrument configuration		
	W	Factory default settings (see datasheet)	N/C
17	K	Customer specifications	On Inquiry
	Approvals		
18	Z	Without	N/C
	?	Other	On Inquiry
19	Additional order details		
	YES	NO	
20	1	Z	Quality certificates
	12	T	Z



Order Code: 1 2 3 4 5 6 7 8 9 10 11

TSD-30 - - - - - - -

*Additional order details _____

GENERAL PURPOSE

Electronic Pressure > General Purpose > LSD-30

LSD-30 MSRP and Selection Guide			
Field	Code	Feature	
			Base Price
			\$571.08
			Adders
Signal output			
1	Q	Dual PNP switch output + 4...20mA	N/C
	R	Dual PNP switch output + 0...10V	N/C
	V	Dual NPN switch output + 4...20mA	N/C
	?	Other	On Inquiry
Display unit			
2	I	Inch (user selectable for mm, cm, %)	N/C
	?	Other	On Inquiry
Probe length			
3	250	250 mm / 9.84"	N/C
	370	370 mm / 14.57"	\$91.71
	410	410 mm / 16.14"	\$120.40
	520	520 mm / 20.47"	\$206.39
	730	730 mm / 27.74"	\$372.71
	???	Other	On Inquiry
Process connection			
4	NE	3/4" NPT	N/C
	HH	G 3/4 A DIN 3852-E	N/C
	??	Other	On Inquiry
Process seal ring (not required for NPT)			
5	Z	Without (always with NPT)	N/C
	1	NBR	N/C
	L	FPM / FKM	N/C
	?	Other	On Inquiry
Electrical connection			
6	M5	5 pin locking plug M12x1 (NEMA 4 / IP67)	N/C
	??	Other	On Inquiry
Instrument configuration			
7	W	Factory default settings (see datasheet)	N/C
	K	Customer specifications	On Inquiry
Approvals			
8	Z	Without	N/C
	?	Other	On Inquiry
Additional order details			
9	YES	NO	
	1	Z	Quality certificates
10	T	Z	Additional text



ELECTRONIC PRESSURE

Order Code: 1 2 3 4 5 6 7 8 9 10
LSD-30 - - - - - - -

*Additional order details _____

HAZARDOUS AREA

Electronic Pressure > Hazardous Area > E-10

Type E-10 Explosion-proof Pressure Transmitter Vacuum to 15,000 psi



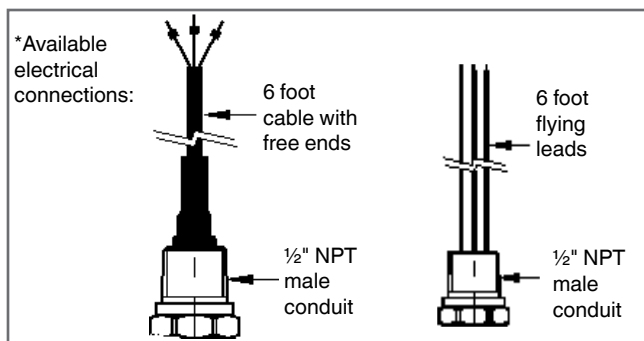
Standard features

- **Signal output:** 4-20mA, 2-wire or 1-5 V 3-wire low power
- **Supply voltage:** 10-30 VDC or 6-30 VDC (low power version)
- **Process connection:** 1/4" or 1/2" NPT male
- **Electrical connection:** 1/2" male conduit with cable or flying leads

E-10 Part Numbers

To use this table, first find the required process connection (1/4" or 1/2" NPT male), then the signal output (4-20 mA or 1-5 V), electrical connection (cable or flying lead) and the required pressure range.

Pressure Conn	1/4" NPT male				1/2" NPT male			
Signal Output	4-20 mA		1-5V 3-wire low power		4-20 mA		1-5V 3-wire low power	
Electrical Conn.	1/2" NPT male connection with:				1/2" NPT male connection with:			
	6 ft. cable	6 ft. leads	6 ft. cable	6 ft. leads	6 ft. cable	6 ft. leads	6 ft. cable	6 ft. leads
Compound ranges								
MSRP	\$478.41	\$545.79	\$478.41	\$545.79	\$478.41	\$545.79	\$478.41	\$545.79
30"-0 inHg vac	52131793				4371130			
30"-0-30 psi	4217172	50333330			4365016	4365131	4365255	
30"-0-100 psi	50116703	50300156			4365026	4365149	4365271	
Gauge Ranges								
MSRP	\$438.00	\$505.41	\$438.00	\$505.41	\$438.00	\$505.41	\$438.00	\$505.41
15psi		50989333	50792261	50034669	4365034	4365157	4365289	4365386
60 psi	4363082	50989341		50437178	4365042	4365166	4365297	50916572
100 psi	4363090	4363189	4363341	50391020	4365050	4365174	4365301	4365395
200 psi	4364844	50139061	4242150	4368653	4369633	50033948	50834967	4254174
300 psi	4363103	4363197	4363359	4368661	4365068	4365182	4365319	50707329
500 psi	4363111	4363200	4363367	4368679	4365076	4365190	4365327	4365408
1,000 psi	4363129	4363218	4363376	4365337	4365085	4365204	4365336	4365418
1,500 psi	4363137	4363226	4363384	4248337	4364169	4374130	4391256	4254166
2,000 psi	4363146	4363236	4363392	4368687	4365093	4365212	4365344	4254158
3,000 psi	4202506	4363244	4363406	4248329	4365106	4365220	4365352	4365425
5,000 psi	4363155	4363252	4363414	4394034	4365115	4365238	4365360	4365433
8,000 psi	4363163	4363260	50308696	50988906	50070568			50555022
10,000 psi	4363171	14077154	4363422	50136623	4365123	4365246	4365378	4260957
15,000 psi		52166112	4216673		50603914	52156303	4216681	50131613



NOTE: Standard items shown in **bold print**. (Subject to prior sale)

Items without part numbers are available on special order.

HAZARDOUS AREA

Electronic Pressure > Hazardous Area > E-10

E-10 MSRP and Selection Guide			
Field	Code	Feature	
			Base Price
			\$438.00
			Adders
Signal output			
1	A	4 ... 20 mA, 2-wire	N/C
	K	1 ... 5 V, 3-wire	N/C
	?	Other - please specify	On Inquiry
Unit			
2	P	psi	N/C
	3	psi absolute	\$40.43
	?-	Other - please specify	On Inquiry
Pressure range			
3	CA	-30 inHg ... 0	\$40.43
	CD	-30 inHg ... 30 psi	\$40.43
	CF	-30 inHg ... 60 psi	\$40.43
	CH	-30 inHg ... 100 psi	\$40.43
	CL	-30 inHg ... 200 psi	\$40.43
	CN	0 psi ... 5 psi	N/C
	CP	0 psi ... 10 psi	N/C
	BC	0 psi ... 15 psi (0 psi ... 15 psi absolute)	N/C
	CQ	0 psi ... 25 psi (0 psi ... 25 psi absolute)	N/C
	BD	0 psi ... 30 psi (0 psi ... 30 psi absolute)	N/C
	DA	0 psi ... 50 psi (0 psi ... 50 psi absolute)	N/C
	BE	0 psi ... 60 psi (0 psi ... 60 psi absolute)	N/C
	BF	0 psi ... 100 psi (0 psi ... 100 psi absolute)	N/C
	BG	0 psi ... 160 psi	N/C
	BH	0 psi ... 200 psi	N/C
	DG	0 psi ... 250 psi	N/C
	BI	0 psi ... 300 psi	N/C
	DI	0 psi ... 500 psi	N/C
	DJ	0 psi ... 750 psi	N/C
	BN	0 psi ... 1,000 psi	N/C
	BO	0 psi ... 1,500 psi	N/C
	BP	0 psi ... 2,000 psi	N/C
	BQ	0 psi ... 3,000 psi	N/C
	BS	0 psi ... 5,000 psi	N/C
	DS	0 psi ... 8,000 psi	N/C
	BT	0 psi ... 10,000 psi	N/C
	BU	0 psi ... 15,000 psi	N/C
	??	Other - please specify	On Inquiry
Process connection			
4	NB	1/4" NPT	N/C
	ND	1/2" NPT	N/C
	??	Other - please specify	On Inquiry
Special design features			
5	Z	Without	N/C
	L	Low power ¹	N/C
	?	Other - please specify	On Inquiry
Electrical connections			
6	2X	1/2" NPT male conduit with cable (NEMA 4/ IP 67)	N/C
	3X	1/2" NPT male conduit with flying leads (NEMA 4/ IP 67)	\$67.37
	DX	ATEX 1/2" male conduit with factory sealed cable (NEMA 4/IP 67)	On Inquiry
	??	Other - please specify	On Inquiry



E-10 MSRP and Selection Guide			
Field	Code	Feature	
			Adders
Cable length			
7	6	6 feet	N/C
	B	2 meters (always with DX)	N/C
	?	Other - please specify	On Inquiry
Approvals			
8	4	Ex d per ATEX (always with DX)	N/C
	7	Explosion-proof per FM and CSA (only with 2X, 3X)	N/C
Quality certificates			
9	Z	Without	N/C
	I	NIST Certificate of Calibration	\$74.13
Additional order details			
10	Z	Without	N/C
	T	Additional order details	On Inquiry

¹ Low power only with 1-5 V signal output (supply 6 ...30 V)

Order Code: 1 2 3 4 5 6 7 8 9 10*

E-10 - - - - **G** -

*Additional order details _____

Type E-11 Explosion-proof Flush Diaphragm Pressure Transmitter Vacuum to 5,000 psi

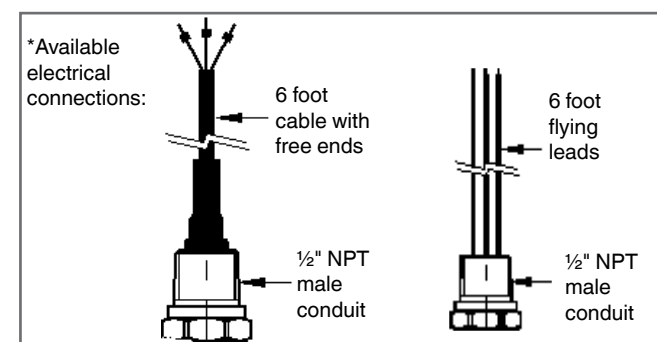
Standard features

- **Signal output:** 4-20mA, 2-wire or 1-5 V 3-wire low power
- **Supply voltage:** 10-30 VDC or 6-30 VDC (low power version)
- **Process connection:** Non-clogging flush diaphragm G1B or G1/2B (depending on pressure)
- **Electrical connection:** 1/2" male conduit with cable or flying leads

E-11 Part Numbers

Pressure Conn.	G1B or G1/2B ¹			
Signal Output	4-20 mA		1-5V 3-wire low power	
Electrical Conn.	1/2" NPT male conduit connection with:			
	6 ft. cable*	6 ft. leads*	6 ft. cable	6 ft. leads*
Compound ranges				
MSRP	\$518.85	\$586.20	\$518.85	\$586.20
30"-0-30 psi ¹	4373087			
30"-0-100 psi				
Gauge Ranges				
MSRP	\$478.41	\$545.79	\$478.41	\$545.79
15 psi ¹	4365441	4235694	4365530	4365581
100 psi	4365459	4365492	4365548	4365599
200 psi	4252414	50045954	52014983	
500 psi	50132423			4365611
1,000 psi	4365467	4365506	4365556	4365629
1,500 psi	50132440			4365637
2,000 psi	50055712		50873601	4365646
3,000 psi	4365476	4365514	4365565	4365654
5,000 psi	4365484	4365522	4365573	4365662

NOTE:

¹ G1B for E-11 15 psi and 30inHg vacuum ranges, G1/2B for ranges > 30 psi.Standard items shown in **bold print**. (Subject to prior sale).

HAZARDOUS AREA

Electronic Pressure > Hazardous Area > E-11

E-11 MSRP and Selection Guide			
Field	Code	Feature	
			Base Price
			\$478.41
			Adders
Signal output			
1	A	4 ... 20 mA, 2-wire	N/C
	K	1 ... 5 V, 3-wire	N/C
	?	Other - please specify	On Inquiry
Unit			
2	P	psi	N/C
	3	psi absolute	\$40.43
	?	Other - please specify	On Inquiry
Pressure range			
3	CA	-30 inHg ... 0	\$40.43
	CD	-30 inHg ... 30 psi	\$40.43
	CF	-30 inHg ... 60 psi	\$40.43
	CH	-30 inHg ... 100 psi	\$40.43
	CL	-30 inHg ... 200 psi	\$40.43
	CN	0 psi ... 5 psi	N/C
	CP	0 psi ... 10 psi	N/C
	BC	0 psi ... 15 psi (0 psi ... 15 psi absolute)	N/C
	CQ	0 psi ... 25 psi (0 psi ... 25 psi absolute)	N/C
	BD	0 psi ... 30 psi	N/C
	DA	0 psi ... 50 psi (0 psi ... 50 psi absolute)	N/C
	BE	0 psi ... 60 psi	N/C
	BF	0 psi ... 100 psi (0 psi ... 100 psi absolute)	N/C
	BG	0 psi ... 160 psi	N/C
	BH	0 psi ... 200 psi	N/C
	DG	0 psi ... 250 psi	N/C
	BI	0 psi ... 300 psi	N/C
	DI	0 psi ... 500 psi	N/C
	DJ	0 psi ... 750 psi	N/C
	BN	0 psi ... 1,000 psi	N/C
	BO	0 psi ... 1,500 psi	N/C
	BP	0 psi ... 2,000 psi	N/C
	BQ	0 psi ... 3,000 psi	N/C
	BS	0 psi ... 5,000 psi	N/C
	DS	0 psi ... 8,000 psi	N/C
	??	Other - please specify	On Inquiry
Process connection			
4	85	G1B, flush diaphragm with O-ring (up to 25 psi)	N/C
	86	G1/2B, flush diaphragm with O-ring (≥ 30 psi)	N/C
	?	Other - please specify	On Inquiry
Material of wetted parts			
5	1	Stainless steel and O-ring from NBR	N/C
	L	Stainless steel and O-ring from Viton®	\$16.35
	?	Other - please specify	On Inquiry
Special design features			
6	Z	Without	N/C
	L	Low power ¹	N/C
Electrical connection			
7	2X	1/2" NPT male conduit with free ends (NEMA 4/ IP 67)	N/C
	DX	1/2" NPT male conduit with factory sealed cable (NEMA 4 IP 67)	On Inquiry
	3X	1/2" NPT male conduit with flying leads (NEMA 4 IP 67)	\$67.37



E-11 MSRP and Selection Guide			
Field	Code	Feature	
			Adders
Cable length			
8	6	6 feet	N/C
	B	2 meters (always with DX)	N/C
	?	Other - please specify	On Inquiry
Approvals			
9	4	Ex d per ATEX (always with DX)	N/C
	7	Explosion-proof per FM and CSA (always with 2X, 3X)	N/C
Quality certificates			
10	Z	Without	N/C
	I	NIST Certificate of Calibration	\$74.13
Additional order details			
11	Z	Without	N/C
	T	Additional order details	On Inquiry

NOTE:

¹ Low power only with 1-5 V signal output (supply 6 ...30 V)

Order Code: 1 2 3 - 4 - 5 6 G 7 8 9 - 10 11*

E-11 - - - - **G** -

*Additional order details _____

Type E-10 Eco Explosion-proof Pressure Transmitter For hazardous areas

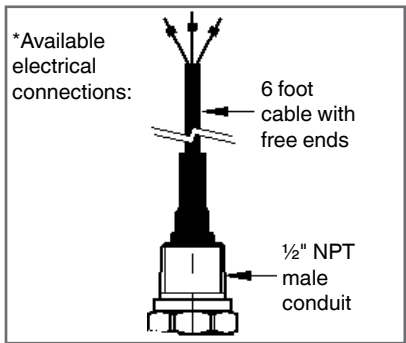
Standard features

- Signal output: 4-20mA, 2-wire or 1-5 V 3-wire low power
- Supply voltage: 4-20mA, 1-5 VDC, 10-30 VDC or 6-30 VDC
- Process connection: 1/4" or 1/2" NPT male
- Electrical connection: 1/2" male conduit with cable outlet

E-10 Eco Part Numbers

To use this table, first find the required process connection (1/4" or 1/2" NPT male), then the signal output (4-20 mA or 1-5 V), electrical connection and the required pressure range.

Pressure Conn	1/4" NPT male		1/2" NPT male	
Signal Output	4-20 mA	1-5V 3-wire low power	4-20 mA	1-5V 3-wire low power
Electrical Conn.	1/2" NPT male connection with 6 ft. cable		1/2" NPT male connection with 6 ft. cable	
MSRP				
15psi	On Inquiry	On Inquiry	On Inquiry	On Inquiry
100 psi	On Inquiry	On Inquiry	On Inquiry	On Inquiry
200 psi	On Inquiry	On Inquiry	On Inquiry	On Inquiry
500 psi	On Inquiry	On Inquiry	On Inquiry	On Inquiry
1,000 psi	On Inquiry	On Inquiry	On Inquiry	On Inquiry
1,500 psi	On Inquiry	On Inquiry	On Inquiry	On Inquiry
2,000 psi	On Inquiry	On Inquiry	On Inquiry	On Inquiry
3,000 psi	On Inquiry	On Inquiry	On Inquiry	On Inquiry
5,000 psi	On Inquiry	On Inquiry	On Inquiry	On Inquiry
10,000 psi	On Inquiry	On Inquiry	On Inquiry	On Inquiry



NOTE: Standard items shown in **bold print**. (Subject to prior sale)

Items without part numbers are available on special order.



HAZARDOUS AREA

Electronic Pressure > Hazardous Area > E-10 Eco

E-10 Eco MSRP and Selection Guide			
Field	Code	Feature	
			Base Price
			\$330.00
			Adders
Signal output			
1	A	4 ... 20 mA, 2-wire	N/C
	K	1 ... 5 V, 3-wire	N/C
	?	Other - please specify	On Inquiry
Unit			
2	P	psi	N/C
	?-	Other - please specify	On Inquiry
Pressure range			
3	BC	0 psi ... 15 psi	N/C
	BF	0 psi ... 100 psi	N/C
	BH	0 psi ... 200 psi	N/C
	DI	0 psi ... 500 psi	N/C
	BN	0 psi ... 1,000 psi	N/C
	BO	0 psi ... 1,500 psi	N/C
	BP	0 psi ... 2,000 psi	N/C
	BQ	0 psi ... 3,000 psi	N/C
	BS	0 psi ... 5,000 psi	N/C
	BT	0 psi ... 10,000 psi	N/C
	??	Other - please specify	On Inquiry
Process connection			
4	NB	1/4" NPT	N/C
	ND	1/2" NPT	N/C
	??	Other - please specify	On Inquiry
Special design features			
5	Z	Without	N/C
	L	Low power ¹	N/C
	?	Other - please specify	On Inquiry
Electrical connections			
6	2X	1/2" NPT male conduit with cable (NEMA 4/ IP 67)	N/C
	??	Other - please specify	On Inquiry
Cable length			
7	6	6 feet	N/C
	?	Other - please specify	On Inquiry
Approvals			
8	7	Explosion-proof per FM and CSA (only with 2X, 3X)	N/C
Quality certificates			
9	Z	Without	N/C
	I	NIST Certificate of Calibration	\$74.13
Additional order details			
10	Z	Without	N/C
	T	Additional order details	On Inquiry



ELECTRONIC PRESSURE

¹ Low power only with 1-5 V signal output (supply 6 ...30 V)

Order Code: 1 2 3 4 5 6 7 8 9 10*

E-10 - - - - **G** -

*Additional order details _____

HAZARDOUS AREA

Electronic Pressure > Hazardous Area > N-10

Type N-10 Non-incendive Pressure Transmitter Vacuum to 15,000 psi

Standard features

- Signal output: 4-20 mA 2-wire or 1-5 V 3-wire
- Supply voltage: 10-30 DC
(6-30 VDC for 1-5 V version)
- Process connection: 1/4 NPT male
- Electrical connection: 1/2" NPT male conduit
with 6 foot cable



N-10 Part Numbers

Description			
Range	Part Number		MSRP
	4-20 mA 2-wire	1-5 V-3-wire	
30" inHg vacuum	4348296	4354619	\$400.55
30"-0-30 psi	4348309	4354627	
30"-0-100 psi	4332431	4354636	
0-15 psi	4348317	4354644	\$361.75
0-30 psi	4348326	4354652	
0-60 psi	4348334	4354660	
0-100 psi	4348342	4354678	
0-200 psi	4348350	4354686	
0-300 psi	4348368	4354695	
0-500 psi	4346216	4354708	
0-1,000 psi	4332440	4354716	
0-1,500 psi	4338597	4354725	
0-2,000 psi	4348376	4354733	
0-3,000 psi	4347000	4354741	
0-5,000 psi	4347018	4354759	
0-8,000 psi	4348385	4354767	
0-10,000 psi	4348393	4354776	
0-15,000 psi	4348406	4354784	

NOTE: Standard items shown in **bold print**. (Subject to prior sale)

Items without part numbers are available on special order.

HAZARDOUS AREA

Electronic Pressure > Hazardous Area > N-10

N-10 MSRP and Selection Guide			
Field	Code	Feature	
1		Base Price	\$361.75
			Adders
		Signal output	
	A	4 ... 20 mA, 2-wire	N/C
	K	1 ... 5 V, 3-wire	N/C
	?	Other - please specify	On Inquiry
2		Unit	
	P	psi	N/C
	3	psi absolute	\$38.80
	?	Other - please specify	On Inquiry
3		Pressure range	
	CA	-30 inHg ... 0	\$38.80
	CD	-30 inHg ... 30 psi	\$38.80
	CH	-30 inHg ... 100 psi	\$38.80
	BC	0 psi ... 15 psi (0 psi ... 15 psi absolute)	N/C
	BD	0 psi ... 30 psi	N/C
	BE	0 psi ... 60 psi	N/C
	BF	0 psi ... 100 psi (0 psi ... 100 psi absolute)	N/C
	BH	0 psi ... 200 psi	N/C
	BI	0 psi ... 300 psi	N/C
	DI	0 psi ... 500 psi	N/C
	BN	0 psi ... 1,000 psi	N/C
	BO	0 psi ... 1,500 psi	N/C
	BP	0 psi ... 2,000 psi	N/C
	BQ	0 psi ... 3,000 psi	N/C
	BS	0 psi ... 5,000 psi	N/C
	DS	0 psi ... 8,000 psi	N/C
	BT	0 psi ... 10,000 psi	N/C
	BU	0 psi ... 15,000 psi	N/C
		??	Other - please specify
4		Process connection	
	NB	1/4" NPT	N/C
	??	Other - please specify	On Inquiry
5		Special design features	
	Z	Without	N/C
	L	Low power ¹	N/C
	?	Other - please specify	On Inquiry
6		Electrical connection	
	2X	1/2" NPT male conduit with cable (NEMA 4X/ IP 67)	N/C
	??	Other - please specify	On Inquiry
7		Cable length	
	6	6 feet	N/C
	1	10 feet	\$13.49
	2	20 feet	\$40.43
	3	30 feet	\$67.37
	?	Other - please specify	On Inquiry
8	F	FM, CSA non-incendive (always with 2X)	N/C
9		Quality certificates	
	Z	Without	N/C
	I	NIST Certificate of Calibration	\$74.13
10		Additional order details	
	Z	Without	N/C
	T	Additional order details	On Inquiry



ELECTRONIC PRESSURE

NOTE:

¹ Low power only with 1-5 V signal output (supply 6 ...30 V).

Order Code: 1 2 3 4 5 6 7 8 9 10*

N-10 - - - - **G** -

*Additional order details _____

Type N-11 Non-incendive Flush Diaphragm Pressure Transmitter Vacuum to 8,000 psi

Standard features

- **Signal output:** 4-20 mA 2-wire or 1-5 V 3-wire
- **Supply voltage:** 10-30 DC
(6-30 VDC for 1-5 V version)
- **Process connection:** G1B or G1/2B flush diaphragm depending on Pressure range
- **Electrical connection:** 1/2" NPT male conduit with 6 foot cable



N-11 Part Numbers

Description			
Range	Part Number		MSRP
	4-20 mA 2-wire	1-5 V-3-wire	
30"-0-30 psi	4372579		\$478.41
0-15 psi ¹	4354822	4354792	\$438.00
0-100 psi	4358428	4354806	
0-300 psi	4364410		
0-1,000 psi	4364690	4364428	
0-2,000 psi	4358436	4354814	
0-3,000 psi	4364509		

NOTES:

¹ Pressure ranges from 50 inWC to 30 psi are supplied with G1B flush process connections. See datasheet for details.

Standard items shown in **bold print**. (Subject to prior sale) Items without part numbers are available on special order.

HAZARDOUS AREA

Electronic Pressure > Hazardous Area > N-11

N-11 MSRP and Selection Guide			
Field	Code	Feature	
			Base Price
			\$438.00
			Adders
Signal output			
1	A	4 ... 20 mA, 2-wire	N/C
	K	1 ... 5 V, 3-wire	N/C
	?	Other - please specify	On Inquiry
Unit			
2	P	psi	N/C
	3	psi absolute	\$40.43
	?	Other - please specify	On Inquiry
Pressure range			
3	CA	-30 inHg ... 0	\$40.43
	CD	-30 inHg ... 30 psi	\$40.43
	CH	-30 inHg ... 100 psi	\$40.43
	BC	0 psi ... 15 psi (0 psi ... 15 psi absolute)	N/C
	BD	0 psi ... 30 psi	N/C
	BE	0 psi ... 60 psi	N/C
	BF	0 psi ... 100 psi (0 psi ... 100 psi absolute)	N/C
	BH	0 psi ... 200 psi	N/C
	BI	0 psi ... 300 psi	N/C
	DI	0 psi ... 500 psi	N/C
	BN	0 psi ... 1,000 psi	N/C
	BO	0 psi ... 1,500 psi	N/C
	BP	0 psi ... 2,000 psi	N/C
	BQ	0 psi ... 3,000 psi	N/C
	BS	0 psi ... 5,000 psi	N/C
	DQ	0 psi ... 6,000 psi	N/C
	DR	0 psi ... 7,500 psi	N/C
	DS	0 psi ... 8,000 psi	N/C
	??	Other - please specify	On Inquiry
Process connection			
4	85	G1B, flush diaphragm with O-ring (50 inWC to 30 psi)	N/C
	86	G1/2B, flush diaphragm with O-ring ≥ (50 psi to 8,000 psi)	N/C
Material of wetted parts			
5	1	Stainless steel and O-ring from NBR	N/C
	B	Stainless steel and O-ring from EPDM	N/C
	L	Stainless steel and O-ring from Viton®	\$15.47
	?	Other- please specify	On Inquiry
Special design features			
6	Z	Without	N/C
	L	Low power ¹	N/C
Electrical connection			
7	2X	1/2" NPT male conduit with cable (NEMA 4X / IP 67)	N/C
	??	Other- please specify	On Inquiry
Cable length			
8	6	6 feet	N/C
	1	10 feet	\$13.49
	2	20 feet	\$40.43
	3	30 feet	\$67.37
Approvals			
9	F	FM, CSA non-incendive (always with 2X)	N/C
Quality certificates			
10	Z	Without	N/C
	I	NIST Certificate of Calibration	\$74.13
Additional order details			
11	Z	Without	N/C
	T	Additional order details	On Inquiry



ELECTRONIC PRESSURE

NOTE:

¹ Low power only with 1-5 V signal output (supply 6 ...30 V)

Order Code: 1 2 3 4 5 6 G 7 8 9 10 11*

N-11 - - - - **G** -

*Additional order details

HAZARDOUS AREA

Electronic Pressure > Hazardous Area > IS-3

Type IS-3 Intrinsically Safe Pressure Transmitter

Standard features

- **Signal output:** 4-20 mA 2-wire
- **Supply voltage:** 10-30 VDC, 11-30 VDC
- **Process connection:** 1/2 NPT Male
- **Electrical connection:** DIN EN 175301-803 (DIN 43 650) with 1/2" NPT female conduit plug connector



Pressure transmitter model IS-3

Fig. left: With angular connector and flush process connection

Fig. centre: High-pressure version

Fig. right: With field case

IS-3 Part Numbers

Gauge Ranges		
Description		
Range	Part Number	MSRP
0-5 psi	On Inquiry	\$472.79
0-10 psi	On Inquiry	
0-15 psi	On Inquiry	
0-25 psi	On Inquiry	
0-30 psi	On Inquiry	
0-60 psi	On Inquiry	
0-100 psi	On Inquiry	
0-160 psi	On Inquiry	
0-200 psi	On Inquiry	
0-300 psi	On Inquiry	
0-500 psi	On Inquiry	
0-1,000 psi	On Inquiry	
0-1,500 psi	On Inquiry	
0-2,000 psi	On Inquiry	
0-3,000 psi	On Inquiry	
0-5,000 psi	On Inquiry	
0-8,000 psi	On Inquiry	
0-10,000 psi	On Inquiry	



Vacuum & Compound Ranges

Description		
Range	Part Number	MSRP
30"-0 HgVac	On Inquiry	\$556.99
30"-0-30 psi	On Inquiry	
30"-0-60 psi	On Inquiry	

Absolute Pressure Ranges

Description		
Range	Part Number	MSRP
0-100 psia	On Inquiry	\$556.99

IS-3-F Part Numbers

Gauge Ranges		
Description		
Range	Part Number	MSRP
0-100 psi	On Inquiry	\$511.69
0-1,000 psi	On Inquiry	
0-3,000 psi	On Inquiry	

NOTE: Standard items shown in **bold print**. (Subject to prior sale)

HAZARDOUS AREA

Electronic Pressure > Hazardous Area > IS-3

IS-3 MSRP and Selection Guide			
Field	Code	Feature	
1		Pressure connection	Base Price
	0	Standard version	\$472.79
	1	Flush diaphragm	\$537.52
2		Ignition protection type and area of use	Additional price
	2311	Category 2, Zone 1/21, Div 1, Div 2, gas, dust, mining	N/C
	3142	Non-arcing, Ex nA, Category 3, Zone 2/22 gas	N/C
	?	Other- please specify	On Inquiry
4		Further approval	
	1	Without	N/C
	4	EACEx	N/C
5		SIL 2	
	Z	Without	N/C
	S	SIL 2 per IEC 61508/IEC 61511	\$59.99
6		Pressure range	
	PCA	-30 inHg ... 0	\$84.20
	PCD	-30 inHg ... 30 psi	\$84.20
	PCF	-30 inHg ... 60 psi	\$84.20
	PCH	-30 inHg ... 100 psi	\$84.20
	PCK	-30 inHg ... 160 psi	\$84.20
	PCL	-30 inHg ... 200 psi	\$84.20
	PCM	-30 inHg ... 300 psi	\$84.20
	NGG	0 InWC ... 50 InWC	N/C
	NGU	0 InWC ... 100 InWC	N/C
	PCN	0 psi ... 5 psi	N/C
	PCP	0 psi ... 10 psi	N/C
	PBC	0 psi ... 15 psi	N/C
	3BC	0 psi ... 15 psi absolute	\$84.20
	PCQ	0 psi ... 25 psi	N/C
	PBD	0 psi ... 30 psi	N/C
	3BD	0 psi ... 30 psi absolute	\$84.20
	PDA	0 psi ... 50 psi	N/C
	PBE	0 psi ... 60 psi	N/C
	3BE	0 psi ... 60 psi absolute	\$84.20
	PBF	0 psi ... 100 psi	N/C
	3BF	0 psi ... 100 psi absolute	\$84.20
	PBG	0 psi ... 160 psi	N/C
	3BG	0 psi ... 160 psi absolute	\$84.20
	PBH	0 psi ... 200 psi	N/C
	3BH	0 psi ... 200 psi absolute	\$84.20
	PDG	0 psi ... 250 psi	N/C
	PBI	0 psi ... 300 psi	N/C
	3BI	0 psi ... 300 psi absolute	\$84.20
	PDI	0 psi ... 500 psi	N/C
	PDJ	0 psi ... 750 psi	N/C
	PBN	0 psi ... 1,000 psi	N/C
	PBO	0 psi ... 1,500 psi	N/C
	PBP	0 psi ... 2,000 psi	N/C
	PBQ	0 psi ... 3,000 psi	N/C
	PBS	0 psi ... 5,000 psi	N/C
	PDS	0 psi ... 8,000 psi	N/C
	PBT	0 psi ... 10,000 psi	N/C
	PBU	0 psi ... 15,000 psi	N/C
		0 psi ... 25,000 psi	On Inquiry
		0 psi ... 60,000 psi	On Inquiry
		0 psi ... 75,000 psi	On Inquiry
		0 psi ... 85,000 psi	On Inquiry
		0 psi ... 100,000 psi	On Inquiry
		0 psi ... 115,000 psi	On Inquiry
7		Process connection	
	HSZ	G 1/2 B EN 837	N/C
	HAZ	G 1/4 B EN 837	N/C
	HD1	G 1/4 A DIN 3852-E, NBR sealing	N/C
	GT1	G 1/2 A DIN 3852-E, NBR sealing	N/C
	ML1	M16 x 1.5 female, w/sealing cone, NBR sealing	N/C
	VZ1	9/16 - 18 UNF female F250-C, NBR sealing	N/C
	MP1	M20 x 1.5 female, w/sealing cone, NBR sealing	N/C
	NB1	1/4 NPT, NBR sealing	N/C
	ND1	1/2 NPT, NBR sealing	N/C
	861	G 1/2 B flush diaphragm, NBR sealing	N/C
	851	G 1 B flush diaphragm, NBR sealing	N/C



IS-3

ELECTRONIC PRESSURE

HAZARDOUS AREA

Electronic Pressure > Hazardous Area > IS-3

IS-3 MSRP and Selection Guide

Field	Code	Feature	Adders
8	Accuracy		
	G	0.5% of span	N/C
	K	0.25% of span	\$45.36
9	Electrical connection		
	AWZZZ	4 Pin L-plug DIN 175301-803 with 1/2" NPT female conduit (NEMA 5/IP 65)	N/C
	M2ZZZ	Circular connector M12 x 1acc. to IEC 61076-2-101 4-pin	N/C
	DPAF6	Cable with free ends (NEMA 4 / IP 67) 6 feet	\$62.19
	XPAM2	Submersible cable (NEMA 6 / IP 68)	On Inquiry
	05ZZZ	4 Pin MIL plug PT02E-8-4P (NEMA 5 / IP 65)	\$84.20
	B4ZZZ	6 Pin MIL plug PT02E-10-6P (NEMA 5 / IP 65)	\$84.20
	06ZZZ	Other - please specify	On Inquiry
10	Temperature range of medium		
	U	-20 ... +80 °C (-4 ... +176 °F) standard	N/C
	7	-15 ... +70 °C (+5 ... +158 °F) with ignition protection type Ex nA and Ex tc	N/C
	8	-40 ... +150 °C (-40 ... +302 °F)	\$103.64
	9	-40 ... +200 °C (-40 ... +392 °F)	\$155.39



IS-3

ELECTRONIC PRESSURE

Order Code: 1 2 3 4 5 6 7 8 9 10
IS-3 - - - - **Z** **Z** - **Z** - **AZZ**

*Additional order details _____

Type IS-20-VR Hazardous Area Pressure Transmitter for Low Pressure Applications

Standard features

- Signal output: 4-20 mA 2-wire
- Supply voltage: 10-30 VDC
- Process connection: 1/2" NPT Male with enlarged port
- Electrical connection: 1/2" NPT Male conduit with 5 ft. cable



ELECTRONIC PRESSURE

IS-20-VR Part Numbers

Gauge Ranges		
Description		
Range	Part Number	MSRP
0 ...12 oz / in ²	14170766	\$731.63
0 ...16 oz / in ²	13464541	

Compound Range		
Description		
Range	Part Number	MSRP
-4 ... 0 ...+12 oz / in ²	14034851	\$731.63

SUBMERSIBLE LIQUID LEVEL

Electronic Pressure > Submersible Liquid Level > LS-10

Type LS-10 Submersible Liquid Level Transmitter 100 InWC to 100 psi

See pages 85 and 86 for additional accessories for this item.

Standard features

- **Signal output:** 4-20 mA 2-wire
- **Supply voltage:** 10-30 VDC
- **Process connection:** G1/2B with removable protective cap
- **Electrical connection:** Vented polyurethane cable (must specify length)

Important Ordering Instructions: Specify the level transmitter part number and cable length part number corresponding to the total required cable length. For example, a 100 InWC level transmitter with 40 feet of cable should be ordered as 4262761/4347931 with a list price of \$635.63



Pressure range part number AND cable length part number must be specified on every order!

Cable Length Part Numbers

Gauge Ranges								
Description								
Length	Part #	MSRP	Length	Part #	MSRP	Length	Part #	MSRP
5 feet	4347868	included	60 feet	4347974	\$203.82	130 feet	4348075	\$463.30
10 feet	4347876	\$18.54	65 feet	4347982	\$222.36	140 feet	4348083	\$500.42
15 feet	4347885	\$37.08	70 feet	4347990	\$240.89	150 feet	4348091	\$537.38
20 feet	4347893	\$55.60	75 feet	4348006	\$259.42	160 feet	4348105	\$574.44
25 feet	4347906	\$77.26	80 feet	4348016	\$277.96	170 feet	4348113	\$611.41
30 feet	4347915	\$92.68	85 feet	4348024	\$296.50	180 feet	4348121	\$648.53
35 feet	4347923	\$111.21	90 feet	4348032	\$315.03	190 feet	4348139	\$685.60
40 feet	4347931	\$129.69	95 feet	4360903	\$333.57	200 feet	4348147	\$722.67
45 feet	4347949	\$148.28	100 feet	4348040	\$352.16	250 feet	4364479	\$908.01
50 feet	4347957	\$166.81	110 feet	4348058	\$389.33	300 feet	4366340	\$1,093.35
55 feet	4347966	\$193.13	120 feet	4348066	\$426.17	Contact factory for lengths over 300 feet		

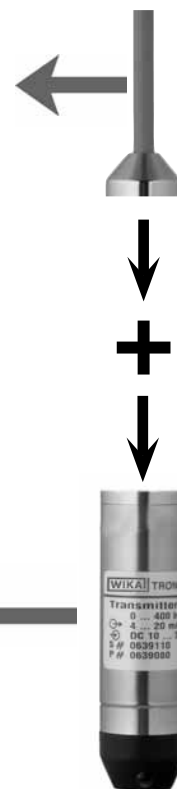
LS-10 Standard Ranges

Gauge Ranges		
Description		
Range	Part Number	MSRP
0-100 inWC	4262761	\$517.39
0-150 inWC	4262779	
0-250 inWC	4262787	
0-400 inWC	4262795	
0-5 psi	4262809	
0-10 psi	4262817	
0-15 psi	4262825	
0-25 psi	4262833	
0-30 psi	4262841	
0-50 psi	4262850	
0-100 psi	4262868	

NOTES:

LS-10 "Ready-to-Ship" submersible transmitters require assembly from factory stocked components and usually ship in three days or less.

Stock items shown in **bold print**.



SUBMERSIBLE LIQUID LEVEL

Electronic Pressure > Submersible Liquid Level > LH-10

Type LH-10 Submersible High Performance Liquid Level Transmitter 50 InWC to 400 psi

Standard features

- Signal output: 4-20 mA 2-wire
- Supply voltage: 10-30 VDC
- Process connection: G1/2B with removable protective cap
- Electrical connection: 40 ft. vented polyurethane cable

LH-10 Part Numbers

Gauge Ranges		
Description		
Range	Part Number	MSRP
0-50 inWC	9699703	\$733.81
0-100 inWC	9699711	
0-150 inWC	9699729	
0-250 inWC	9699737	
0-400 inWC	9699745	
0-5 psi	8371846	
0-10 psi	14079101	
0-15 psi	9736225	
0-25 psi	9699762	
0-50 psi	9699770	
0-100 psi	9699788	



ELECTRONIC PRESSURE

SUBMERSIBLE LIQUID LEVEL

Electronic Pressure > Submersible Liquid Level > LH-10

ELECTRONIC PRESSURE

LH-10 MSRP and Selection Guide				
Field	Code	Feature		
1		Base Price	\$602.94	
			Adders	
		Signal output		
	A	4 ... 20 mA, 2-wire (supply: 10-30 VDC)	N/C	
	B	0 ... 20 mA, 3-wire	\$96.36	
	F	0 ... 10 V, 3-wire (supply: 14-30 VDC)	\$96.36	
	G	0 ... 5 V, 3-wire	\$96.36	
	S	0.5 ... 2.5 V, 3-wire (supply: 5-30 VDC)	\$96.36	
	?	Other - please specify	On Inquiry	
	2		Unit	
P		psi	N/C	
N		InWC	N/C	
?	Other - please specify	On Inquiry		
3		Pressure range		
	GG	0 InWC ... 50 InWC	N/C	
	GU	0 InWC ... 100 InWC	N/C	
	GV	0 InWC ... 150 InWC	N/C	
	GW	0 InWC ... 250 InWC	N/C	
	GX	0 InWC ... 400 InWC	N/C	
	CN	0 psi ... 5 psi	N/C	
	CP	0 psi ... 10 psi	N/C	
	BC	0 psi ... 15 psi	N/C	
	CQ	0 psi ... 25 psi	N/C	
	DA	0 psi ... 50 psi	N/C	
	BF	0 psi ... 100 psi	N/C	
	BG	0 psi ... 160 psi	N/C	
	BH	0 psi ... 200 psi	N/C	
	DG	0 psi ... 250 psi	N/C	
	BI	0 psi ... 300 psi	N/C	
	BK	0 psi ... 400 psi	N/C	
	??	Other - please specify	On Inquiry	
	4		Process connection	
		GD	G1/2B with removable protective cap	N/C
5		Special Design Features		
	Z	Without	N/C	
	K	FEP cable ³	\$96.36	
	O	Lightning protection according to EN 61000-4-5 ¹	\$111.21	
	J	Temperature measurement Pt 100, 4-wire ¹	\$185.34	
	Y	Lightning protection and Pt. 100 ¹	\$296.50	
	2	Hastelloy® C4 ^{2,4}	\$333.51	
?	Other - please specify	On Inquiry		
6		Cable length		
			Price	
	Y	5 feet	PUR N/C	FEP
	1	10 feet	\$18.54	\$25.98
	2	20 feet	\$55.60	\$77.84
	3	30 feet	\$92.68	\$129.69
	4	40 feet	\$129.69	\$181.59
	5	50 feet	\$166.81	\$233.50
	?	Other - price per foot	\$3.75	\$5.15
	?			
7	?	Without	N/C	
8		Digital Display		
	?	Without	N/C	
9		Additional Order Details		
	Z	Without	N/C	
	T	Additional order details	On Inquiry	



NOTES:

¹ Only with Pur (polyurethane) cable

² Only with FEP (Teflon®) cable

³ FEP (Fluorinated Ethylene Propylene), also known by the Dupont trade name of Teflon®

⁴ Must use G 1/4 B Female process connection

Order Code: 1 2 3 4 5 6 7 8 9*

LH-10 - - - - -

*Additional order details _____

SUBMERSIBLE LIQUID LEVEL

Electronic Pressure > Submersible Liquid Level > LH-20

LH-20 MSRP and Selection Guide			
Field	Code	Feature	
			Base Price
			\$991.89
			Adders
Unit			
1	N	inWC	N/C
	P	psi	N/C
	?	Other - please specify	On Inquiry
Pressure reference			
2	G	Gauge	N/C
	A	Absolute (not with inWC ranges)	\$83.99
	?	Other - please specify	On Inquiry
Pressure range			
3	212	0 InWC ... 50 InWC	N/C
	225	0 InWC ... 100 InWC	N/C
	237	0 InWC ... 150 InWC	N/C
	262	0 InWC ... 250 InWC	N/C
	234	0 psi ... 5 psi	N/C
	269	0 psi ... 10 psi	N/C
	310	0 psi ... 15 psi	N/C
	317	0 psi ... 25 psi	N/C
	335	0 psi ... 50 psi	N/C
	369	0 psi ... 100 psi	N/C
	411	0 psi ... 160 psi	N/C
	414	0 psi ... 200 psi	N/C
	421	0 psi ... 300 psi	N/C
	???	Other - please specify	On Inquiry
Cable material			
4	A	PUR (Polyurethane)	N/C
	B	FEP (Fluorinated Ethylene Propylene)	\$179.19
	C	PE (Polyethylene)	N/C
Unit of cable length			
5	F	Feet	N/C
	?	Other - please specify	On Inquiry
Cable length			
6		PUR per foot price	\$1.96
		FEP per foot price	\$10.08
		PE per foot price	\$2.24
		Cable length to nearest foot (Example: 40 feet = 0040) Price _____ x Length _____ =	(Total cable price)
Signal output			
7	A	4 ... 20 mA 2-wire	N/C
	R	4 ... 20 + Hart + PT 100	\$195.98
Quality certificates			
8	M	± 0.1% B.F.S.L.	N/C
	P	± 0.05 B.F.S.L.	\$157.53
Housing			
9	S	Stainless steel	N/C
	T	Titanium	\$315.08
Approvals			
10	A	ATEX	\$44.34
	I	IECEX	\$44.34
	Z	Without	N/C
	?	Other - please specify	On Inquiry
Protection type			
11	E	EX ia (intrinsic safety)	N/C
	Z	Without	N/C
	?	Other	On Inquiry
Atmosphere			
12	GA	Gas Zone 0 and 1 (1G, 2G) (With ATEX)	N/C
	GB	Gas Zone 0 (1G) with (IECEX)	N/C
	ZZ	Without	N/C
	??	Other	On Inquiry



ELECTRONIC PRESSURE

LH-20 MSRP and Selection Guide			
Field	Code	Feature	
			Adders
Other approvals			
13	Z	Without	N/C
	G	Ship approval (GL)	\$44.34
	?	Other	On Inquiry
Potable water conformance certificate			
14	Z	Without	N/C
	K	KTW, ACS	\$58.35
Certificate			
15	Z	Without	N/C
	K	With test protocols	\$75.84
Process connection			
16	LS	M14 x 1 protective cap	N/C
	LT	Flush diaphragm	\$44.34
	??	Other	On Inquiry
Sensor seal material			
17	K	Dual FKM (VP2 / A)	N/C
	E	Dual EPDM (A+P 75.5 / KW75F)	\$29.17
Additional order details			
18	Z	Without	N/C
	T	Additional text	On Inquiry

Order Code: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
LH-20 - - - - - - - -

*Additional order details _____

SUBMERSIBLE LIQUID LEVEL

Electronic Pressure > Submersible Liquid Level > IL-10

Type IL-10 Intrinsically Safe High Performance Submersible Liquid Level Transmitter 50 inWC to 400 psi

Standard features

- **Signal output:** 4-20 mA 2-wire
- **Supply voltage:** 10-30 VDC
- **Process connection:** G 1/2 B



IL-10 MSRP and Selection Guide

Field	Code	Feature	Base Price	Adders
			\$926.55	
		Unit		
	P	psi		N/C
	N	InWC		N/C
1	?	Other - please specify		On Inquiry
		Pressure range		
	GG	0 inWC ... 50 inWC		N/C
	GU	0 inWC ... 100 inWC		N/C
	GV	0 inWC ... 150 inWC		N/C
	GW	0 inWC ... 250 inWC		N/C
	GX	0 inWC ... 400 inWC		N/C
	CN	0 psi ... 5 psi		N/C
	CP	0 psi ... 10 psi		N/C
	BC	0 psi ... 15 psi		N/C
	CQ	0 psi ... 25 psi		N/C
	BD	0 psi ... 30 psi		N/C
	BE	0 psi ... 60 psi		N/C
	BF	0 psi ... 100 psi		N/C
	BG	0 psi ... 160 psi		N/C
	BH	0 psi ... 200 psi		N/C
	BI	0 psi ... 300 psi		N/C
	BK	0 psi ... 400 psi		N/C
2	??	Other - please specify		On Inquiry
		Process connection		
	GD	G 1/2 B		N/C
3	??	Other - please specify		On Inquiry
		Special design features		
	Z	Without		N/C
	2	Hastelloy® C4 ²	\$320.12	
	K	FEP cable ¹	\$96.36	
4	?	Other - please specify		On Inquiry
		Accuracy		
	G	+/- 0.25% B.F.S.L.		N/C
5	K	+/- 0.125% B.F.S.L.	\$72.33	
		Cable length		
		Cable material	PUR	FEP
	Y	5 feet		N/C
	1	10 feet	\$18.54	\$25.98
	2	20 feet	\$55.60	\$77.84
	3	30 feet	\$92.68	\$129.69
	4	40 feet	\$129.69	\$181.59
	5	50 feet	\$166.81	\$233.50
6	?	Other - price per foot	\$3.75	\$5.15



IL-10 MSRP and Selection Guide

Field	Code	Feature	Adders
		Approvals	
	2	EEx IP6X 1D, 1G, M1 per ATEX incl. FM and CSA	N/C
	U	EEx IP6X 1D, 1G, M1 per ATEX incl. FM, CSA and ship approval GL	\$56.67
7	?	Other - please specify	On Inquiry
		Quality certificates	
	Z	Without	N/C
8	1	Other - please specify	On Inquiry
		Digital Display	
9	?	Without	N/C
		Additional Order Details	
	Z	Without	N/C
10	T	Additional order details	On Inquiry

NOTES:

- 1 FEP (Fluorinated Ethylene Propylene), also known by the Dupont trade name of Teflon®
- 2 Must use G 1/4 B Female process connection

Order Code: 1 2 3 4 5 6 7 8 9 *10
IL-10 - A - - - -

*Additional order details _____

SPECIAL PURPOSE

Electronic Pressure > Special Purpose > MH-3

Type MH-3 Mobile Hydraulic Pressure Transmitter 1,000 psi to 8,000 psi



Note: 50 piece minimum order quantity applies.

MH-3 MSRP and Selection Guide			
Field	Code	Feature	
1		Base Price	On Inquiry
			Adders
	Signal output		
	A	4 ... 20 mA, 2-wire (supply: 10-36 VDC)	N/C
	K	1 ... 5 V, 3-wire (supply: 8-36 VDC)	N/C
	F	0 ... 10, 3-wire (supply: 14-36 VDC)	N/C
2	W	0.5 - 4.5V ratiometric (supply: 5 VDC +/- 10%)	N/C
	?	Other - please specify	On Inquiry
3		Unit	
	P	psi	N/C
4	?	Other - please specify	On Inquiry
	Pressure range		
	BN	0 psi ... 1,000 psi	N/C
	BO	0 psi ... 1,500 psi	N/C
	BP	0 psi ... 2,000 psi	N/C
	BQ	0 psi ... 3,000 psi	N/C
	BS	0 psi ... 5,000 psi	N/C
	DS	0 psi ... 8,000 psi	N/C
	??	Other - please specify	On Inquiry
	Pressure connection		
5	NB	1/4" NPT	N/C
	UA	7/16-20 UNF SAE #4 J514 male	N/C
	GB	G 1/4 B	N/C
	HD	G 1/4 A DIN 3852-E	N/C
	HN	M 14x1.5 DIN 3852-E	N/C
	MV	7/16-20 UNF SAE #4 J514 male w/O-ring boss	N/C
	??	Other - please specify	On Inquiry
	Case material		
6	M	Fiberglass reinforced ABS plastic (PBT)	N/C
	V	Stainless steel	On Inquiry
7	Electrical connection		
	M4	4 Pin locking plug M12 x 1 (NEMA 4/IP67)	N/C
	R3	Metri-pack series 150 3-Pin (NEMA 4/IP67)	N/C
	G3	Deutsch 3 Pin DT04-3P	N/C
	S3	AMP superseal 1.5 3 Pin (NEMA 4/IP67)	N/C
	FN	Cable with free ends (IP 69K high pressure steam protection)	On Inquiry
	??	Other - please specify	On Inquiry

MH-3 MSRP and Selection Guide			
Field	Code	Feature	
7		Adders	
	Cable length		
	Z	Without (always with plug version)	N/C
	A	0.5 meter (1.6 feet)	N/C
	B	2 meter (6.5 feet)	On Inquiry
	G	5 meter (16.4 feet)	On Inquiry
8	?	Other	On Inquiry
	Diagnostics and signal clamping		
	Z	Without	N/C
	S	Signal clamping	On Inquiry
	D	Diagnostics	On Inquiry
9	E	Diagnostics + signal clamping	On Inquiry
	Quality certificates		
	Z	Without	N/C
10	1	Other - please specify	On Inquiry
	Digital display		
11	Z	Without	N/C
	1	Other display (order separately)	On Inquiry
11	Additional order details		
	Z	Without	N/C
11	T	Additional order details	On Inquiry

Order Code: 1 2 3 - 4 - 5 6 7 8 - 9 10 11*

MH-3 - - - - **Z** -

*Additional order details _____

For datasheets and additional information, please visit www.wika.com or call 1-888-945-2872.

SPECIAL PURPOSE

Electronic Pressure > Special Purpose > UPT-2X (UPT-20, UPT-21)

Type UPT-20 Universal Process Transmitter



Standard features

- Signal output: 4-20 mA 2-wire
- Supply voltage: 12-36 VDC
- Process connection: 1/2" NPT male
- Electrical connection: M20 x 1.5 cable gland
- Display: 4½ Digit LC display
- Accuracy: +/- 0.15% of span

UPT-20 Part Numbers

Vacuum & Compound Ranges		
Range	Part Number	MSRP
-14.5-0 psi	52595781	\$1,031.76
-14.5-15 psi	52595803	
-14.5-100 psi	52595811	
-14.5-300psi	52595820	

Gauge Ranges		
Range	Part Number	MSRP
0-10 psi	52595838	\$951.16
0-15 psi	52595846	
0-30 psi	52595854	
0-100 psi	52571718	
0-300 psi	52595889	
0-500 psi	52595901	
0-1,500 psi	52595919	
0-5,000 psi	52595927	
0-10,000 psi	52595935	

Absolute Ranges		
Range	Part Number	MSRP
0-30 psi	52595943	\$1,031.76
0-100 psi	52595951	
0-300 psi	52595960	
0-500 psi	52595978	

SPECIAL PURPOSE

Electronic Pressure > Special Purpose > UPT-2X (UPT-20, UPT-21)

Type UPT-2X (UPT-20, UPT-21) Universal Process Transmitter



ELECTRONIC PRESSURE

UPT-2X MSRP and Selection Guide			
Field	Code	Feature	
		Base Price	\$741.58
		Unit	Adders
WTR Base UPT-2X Universal Process Transmitter			
Process connection type			
1	0	Standard connection with pressure port	N/C
	1	Flush diaphragm connection	\$139.72
Electrical approval			
2	Z	Without	N/C
	?	Other	On Inquiry
Ignition protection type			
3	Z	Without	N/C
	?	Other	On Inquiry
Zone			
4	Z	Without	N/C
	?	Other - please specify	On Inquiry
Case Design			
5	K	Fiberglass reinforced PBT	N/C
	?	Other	On Inquiry
Digital display			
6	Z	Without	N/C
	A	With integrated 4½ digit LCD-display	\$155.85
Signal output			
7	A	4...20 mA 2-wire	N/C
	R	4...20 mA 2-wire with Hart protocol	\$107.48
Electrical connection			
8	A	M20x1.5 cable gland with internal terminal block	N/C
	M	M12x1 4-pin locking plug	\$80.61
	I	DIN 43650 L plug with M20x1.5 cable gland	\$80.61
	?	Other	On Inquiry
Pressure unit			
9	P	Psi	N/C
	?	Other	On Inquiry
Pressure reference			
10	A	Absolute	\$80.61
	G	Gauge	N/C
	C	Compound	\$80.61
Pressure range			
11	310	-14.5 psi...0 psig	N/C
	320	-14.5 psi...15 psig	N/C
	379	-14.5 psi...100 psig	N/C
	422	-14.5 psi...300 psig	N/C
	269	0 psi...10 psi	N/C
	310	0 psi...15 psi	N/C
	321	0 psi...30 psi 0...30 psia	N/C
	369	0 psi...100 psi 0...100 psia	N/C
	421	0 psi...300 psi 0...300 psia	N/C
	434	0 psi...500 psi 0...500 psia	N/C
	510	0 psi...1,500 psi	N/C
	534	0 psi...5,000 psi	N/C
	569	0 psi...10,000 psi	N/C
	???	Other	On Inquiry

UPT-2X MSRP and Selection Guide			
Field	Code	Feature	
		Unit	Adders
Process connection			
12	ND	1/2" NPT male	N/C
	NQ	1/2" NPT female	N/C
	NB	1/4" NPT male	N/C
	GD	G½ B male	N/C
	85	G1B flush (only with type UPT-21 and range < 100 psi)	N/C
	86	G½ B Flush (only with type UPT-21 and range ≥ 100 psi)	N/C
	??	Other	On Inquiry
Sealing			
13	Z	Without	N/C
	4	NBR (only with flush process connections 85 or 86)	\$4.30
	?	Other	On Inquiry
Accuracy			
14	3	+/- 0.2% of span	N/C
	2	+/- 0.15% of span	\$53.74
	1	+/- 0.1% of span	\$107.48
Special design features			
15	Z	Without	N/C
	E	Oil and grease free	\$42.99
	A	Oxygen, oil and grease free (not with absolute or compound ranges)	\$123.60
	?	Other	On Inquiry
Certificates / approvals			
16	Z	Without	N/C
	?	Other*	On Inquiry
Additional order details			
17	Z	Without	N/C
	T	Additional text*	On Inquiry

UPT-2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17*

□ - □ □ □ - □ □ - □ □ - □ □ □ □ - □ □ □ - □ □ - □ □ - □ □

*Additional order details _____

Type O-10 General Purpose Pressure Transmitter

Standard features

- **Available signal outputs:** 4...20mA, 0...10V, 0...5V, 1...5V, 0.5...4.5V, 0.5V...4.5V ratiometric
- **Process connections:** 1/4" NPT, 1/8" NPT, 7/16-20 UNF O-ring boss, G1/4, PT1/4, G1/4 female and others
- **Electrical connections:** male form A or C DIN connections, M12x1 4-pin, 6-foot cable, others
- **Non-linearity:** ≤ 0.5%



The model O-10 pressure transmitter has been developed for a wide variety of industrial applications. The large range of process and electrical connections as well as all commonly used pressure ranges and output signals set the model O-10 apart.

For applications in which water is used as a medium we recommend a 5-fold overpressure safety in combination with a condensation-tight case.

Due to its specifications, its features and its price, the pressure transmitter is ideally suited to OEM applications, with an annual quantity requirement of more than 1,000 units of each part number. Accordingly, the minimum order quantity is 50 units per part number.

Contact WIKA for pricing on the O-10
Minimum order quantities apply

SPECIAL PURPOSE

Electronic Pressure > Special Purpose > HP-2

Type HP-2 Industrial Pressure Transmitter

Standard features

- **Signal output:** 4-20 mA, 0 ... 10 V, etc.
- **Supply voltage:** 10-30 VDC (14-30 VDC for 0-10V)
- **Pressure connection:** M16 x 1.5 female, M20 x 1.5 female
9/16-18 UNF female F250-C
- **Electrical connection:** DIN 175301-803 L-connector,
M12 x 1 circular connector,
flying leads, etc.



ELECTRONIC PRESSURE

HP-2 MSRP and Selection Guide			
Field	Code	Feature	
1			Base Price
			\$1,209.48
			Adders
	Type		
	S	Standard	N/C
	D	With DIPS (Diaphragm Impact Protection System)	\$806.38
	E	With EPS (Exchange Pressure Connection)	\$806.38
	Non-linearity		
	G	0.25% (B.F.S.L.)	N/C
	Unit		
3	B	bar	\$44.52
	P	psi	\$44.52
	E	MPa	\$44.52
4	Pressure reference		
	G	Relative	N/C
5	Pressure range		
	616	0 ... 1,600 bar	N/C
	625	0 ... 2,500 bar	N/C
	640	0 ... 4,000 bar	\$134.61
	650	0 ... 5,000 bar	\$807.67
	660	0 ... 6,000 bar	\$1,480.50
	670	0 ... 7,000 bar	On Inquiry
	680	0 ... 8,000 bar	On Inquiry
	710	0 ... 10,000 bar	On Inquiry
6	Pressure connection		
	ML	M16 x 1.5 female with sealing cone	N/C
	MP	M20 x 1.5 female with sealing cone	N/C
	VZ	9/16 - 18 UNF female F 250-C	On Inquiry
7	Signal output		
	A	4 ... 20 mA, 2-wire (supply: 10-30 VDC)	N/C
	F	0 ... 10 V, 3-wire (supply: 14-30 VDC)	N/C
	G	0 ... 5 V, 3-wire	N/C

HP-2 MSRP and Selection Guide			
Field	Code	Feature	
8	Electrical connection		
	A4	DIN EN 175301-803 A, IP65	N/C
	M4	M12 x 1 4-pin circular connection IP67	N/C
	DL	Cable with free ends IP67	\$71.17
9	Cable length		
	Z	Without (always with plug connection)	N/C
	C	1.5 m	N/C
10	Quality certificates		
	1	Other	On Inquiry
11	Additional order details		
	Z	Without	N/C
	T	Additional order details	On Inquiry

Order Code: 1 2 3 4 5 6 7 8 9 10 11*

HP-2 - - - - - - -

*Additional order details _____

SPECIAL PURPOSE

Electronic Pressure > Special Purpose > P-30

Type P-30 Precision Pressure Transmitter



ELECTRONIC PRESSURE

P-30 MSRP and Selection Guide			
Field	Code	Feature	
			Base Price
			\$917.02
			Adders
1	Accuracy		
	P	0.1% of span	N/C
	R	0.05% of span	\$547.58
2	Unit		
	P	psi	N/C
	?	Other	On Inquiry
3	Absolute or relative pressure		
	G	Gauge	N/C
	A	Absolute	\$85.79
	V	Compound	\$59.41
4	Pressure range		
	310	-30 InHg...0	N/C
	320	-30 InHg...+15 psi	N/C
	331	-30 InHg...+30 psi	N/C
	345	-30 InHg...+50 psi	N/C
	379	-30 InHg...+100 psi	N/C
	412	-30 InHg...+160 psi	N/C
	415	-30 InHg...+200 psi	N/C
	234	0...5 psig 0...5 psia	N/C
	269	0...10 psig 0...10 psia	N/C
	310	0...15 psig 0...15 psia	N/C
	317	0...25 psig 0...25 psia	N/C
	321	0...30 psig 0...30 psia	N/C
	335	0...50 psig 0...50 psia	N/C
	369	0...100 psig 0...100 psia	N/C
	411	0...160 psig 0...160 psia	N/C
	414	0...200 psig 0...200 psia	N/C
	421	0...300 psig 0...300 psia	N/C
	434	0...500 psig	N/C
	469	0...1,000 psig	N/C
	510	0...1,500 psig	N/C
	514	0...2,000 psig	N/C
	521	0...3,000 psig	N/C
	534	0...5,000 psig	N/C
	569	0...10,000 psig	N/C
	???	Other	On Inquiry
5	Pressure connection		
	NB	1/4" NPT	N/C
	ND	1/2" NPT	N/C
	GD	G 1/2 B	N/C
	GB	G 1/4 B	N/C
	HD	G 1/4 A DIN 3852-E	N/C
	TB	G 1/4 female	N/C
	T4	G 1/2 male / G 1/4 female	N/C
	??	Other	On Inquiry

P-30 MSRP and Selection Guide			
Field	Code	Feature	
			Adders
6	Sealing		
	Z	Without (not required for NB, ND, TB or T4)	N/C
	1	NBR (only for HD)	N/C
	C	Copper (only for GD, GB)	N/C
	S	Stainless steel (only for GD, GB)	\$8.47
	?	Other	On Inquiry
7	Special design for media		
	Z	None	N/C
	?	Other	On Inquiry
8	Signal output		
	A	4 ... 20 mA, 2-wire (supply: 9-30 VDC)	N/C
	B	0 ... 20 mA, 3-wire	N/C
	F	0 ... 10 V, 3-wire (supply: 14-30 VDC)	N/C
	G	0 ... 5 V, 3-wire	N/C
	V	4 ... 20 mA, 3-wire	N/C
	2	USB 2.0 (supply: 5 VDC +/- 10%)	\$161.22
	9	CANopen per CiA; protocol DS	\$161.22
9	Electrical connection		
	M4	4 circular connector M12x1, 4 pin	N/C
	B5	Plug, M16 x 0.75, 5 pin	N/C
	C6	Bayonet connector, 6 pin PT02E-10-6P	N/C
	A4	4 pin L-plug DIN EN 175301-803, IP65	N/C
	DL	Cable with free ends, IP 67	\$85.79
10	Cable length		
	Z	Without	N/C
	6	6 ft (only with DL)	N/C
	7	15 ft (only with DL)	\$19.77
	?	Other	On Inquiry
11	Additional order info		
	YES	NO	
	1	Z	Quality certificates
12	T	Z	Additional text

Easy Com software with cable: Part #13193075 - \$150.12

Order Code: 1 2 3 4 5 6 7 8 9 10 11 12
P-30 - - - - - -

*Additional order details _____

SPECIAL PURPOSE

Electronic Pressure > Special Purpose > P-31

Type P-31 Precision Pressure Transmitter w/Non-clogging Flush Diaphragm



P-31 MSRP and Selection Guide			
Field	Code	Feature	
Base Price			\$969.83
			Adders
1	Accuracy		
	P	0.1% of span	N/C
	R	0.05% of span	\$547.46
2	Unit		
	P	psi	N/C
	?	Other	On Inquiry
3	Absolute or relative pressure		
	G	Gauge	N/C
	A	Absolute	\$84.27
	V	Compound	\$58.36
4	Pressure range		
	310	-30 InHg...0	N/C
	320	-30 InHg...+15 psi	N/C
	331	-30 InHg...+30 psi	N/C
	345	-30 InHg...+50 psi	N/C
	379	-30 InHg...+100 psi	N/C
	412	-30 InHg...+160 psi	N/C
	415	-30 InHg...+200 psi	N/C
	234	0...5 psig 0...5 psia	N/C
	269	0...10 psig 0...10 psia	N/C
	310	0...15 psig 0...15 psia	N/C
	317	0...25 psig 0...25 psia	N/C
	321	0...30 psig 0...30 psia	N/C
	335	0...50 psig 0...50 psia	N/C
	369	0...100 psig 0...100 psia	N/C
	411	0...160 psig 0...160 psia	N/C
	414	0...200 psig 0...200 psia	N/C
	421	0...300 psig	N/C
	434	0...500 psig	N/C
	469	0...1,000 psig	N/C
	510	0...1,500 psig	N/C
	514	0...2,000 psig	N/C
	521	0...3,000 psig	N/C
	534	0...5,000 psig	N/C
	???	Other	On Inquiry
5	Pressure connection		
	85	G1B flush diaphragm w/O-ring (up to 25 psi)	N/C
	86	G1/2B flush diaphragm w/O-ring (> 30 psi)	N/C
6	Sealing		
	1	NBR	N/C
	B	EPDM	N/C
	L	FPM/FKM	N/C
	?	Other	On Inquiry

P-31 MSRP and Selection Guide			
Field	Code	Feature	
			Adders
7	Special design for media		
	Z	None	N/C
	?	Other	On Inquiry
8	Signal output		
	A	4 ... 20 mA, 2-wire (supply: 9- 30 VDC)	N/C
	B	0 ... 20 mA, 3-wire	N/C
	F	0 ... 10 V, 3-wire (supply: 14- 30 VDC)	N/C
	G	0 ... 5 V, 3-wire	N/C
	V	4 ... 20 mA, 3-wire	N/C
	2	USB 2.0 (supply: 5 VDC +/- 10%)	\$161.22
9	Electrical connection		
	M	4 circular connector M12x1, 4 pin	N/C
	B5	Plug, M16 x 0.75, 5 pin	N/C
	C6	Bayonet connector, 6 pin PT02E-10-6P	N/C
	A4	4 pin L-plug DIN EN 175301-803, IP65	N/C
	DL	Cable with free ends, IP 67	\$85.79
	Cable length		
10	Z	Without	N/C
	6	6 ft (only with DL)	N/C
	7	15 ft (only with DL)	\$19.77
	?	Other	On Inquiry
11	Additional order info		
	YES	NO	
	1	Z	Quality certificates
12	T	Z	Additional text

ELECTRONIC PRESSURE

Easy Com software with cable: Part #13193075 - \$150.12

Order Code: 1 2 3 4 5 6 7 8 9 10 11 12
P-31- - - - - -

*Additional order details _____

Electronic Pressure > Special Purpose > R-1

- All stainless steel construction
- Welded case-to-socket connection

Note: 50 piece minimum order quantity applies.



R-1 MSRP and Selection Guide			
Field	Code	Feature	Adders
7		Supply voltage	
	E	5 V DC +/- 10% (only with signal output W)	N/C
	G	7...30 V DC (only with signal output A)	N/C
	C	14...30 V DC (only with signal output F)	N/C
8		Electrical connection	
	R3	Metri pack series 150 3 pin connector (NEMA 4 / IP 67)	N/C
	M4	4 Pin locking plug M12 x 1 (NEMA 4 / IP 67)	N/C
	FN	Cable with free ends (NEMA 4 / IP 69K high pressure steam protection)	On Inquiry
9		Cable length	
	A	0.5 m (1.6 feet)	N/C
	H	1 m (3.28 feet)	On Inquiry
	B	2 m (6.5 feet)	On Inquiry
	G	5 m (16.4 feet)	On Inquiry
	Z	Without (always with electrical connection R3 or M4)	N/C
	?	Other	On Inquiry
10		Approvals	
	Z	Without	N/C
	R	c RU us	On Inquiry
11		Additional order details	
	Z	Without	N/C
	T	Additional text	On Inquiry

Order Code: 1 2 3 4 5 6 7 8 9 10 11

R-1 - - - - -

Additional order details

Type TI-1 OEM Pressure Transmitters with signal processing

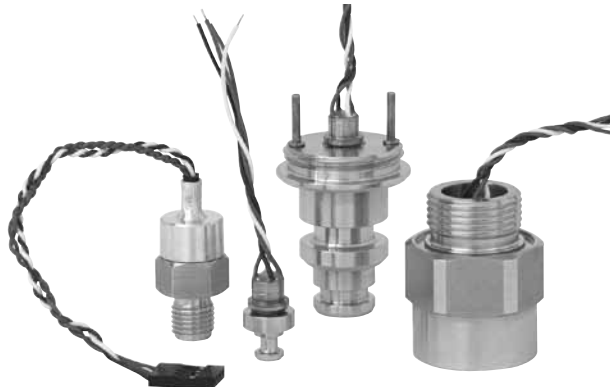
The model TI-1 pressure transducer serves as the core for the widest variety of products such as pressure transmitters, data loggers, pressure controllers or as components in hand-held measuring instruments.



Contact WIKA for pricing on the TI-1
Minimum order quantities apply

Type TTF-1 Pressure Transmitters with Thin Film Sensor

The Type TTF-1 is designed for engineers who want to provide their own power supply and signal conditioning circuitry. The sensors are manufactured by depositing an insulating layer onto a 17-4PH stainless steel or Elgiloy diaphragm, then depositing a metal strain gauge element by vacuum deposition, resulting in high stability, ruggedness and extended operating life. For improved performance, temperature compensating elements, wiring and balance components are deposited simultaneously during the manufacturing process.



Contact WIKA for pricing on the TTF-1
Minimum order quantities apply

Type A-AI-1 Attachable Digital Indicator

Standard features

- Attachable loop powered digital indicator
- Fits Type S-10, S-11 and A-10 transmitters with full size Din plug
- User-programmable 0.4" LCD display



A-AI-1 Meters			
Type	Part #	Description	MSRP
A-AI-1	7082534	Loop powered indicator for S-10, S-11 and A-10 using DIN 43 650 electrical connector (4-20 mA 2-wire only)	\$310.09

NOTE: Standard items shown in **bold print**. (Subject to prior sale)

Type DI32-1 Digital Meter

Standard features

- Compact panel mount digital indicator (48 x 24 x 52 mm)
- Multi-function input for standard signals, resistance thermometers and thermocouples
- 2 transistor switching outputs. Output type freely selectable



DI32-1 Meters			
Type	Part #	Description	MSRP
DI32-1	14110042	Digital indicator for panel mounting, accepts 4-20mA, 0-20mA, 01V, 0-10V, Pt1000 signal inputs.	\$302.82

NOTE: Standard items shown in **bold print**. (Subject to prior sale)

Type S-10-3A Sanitary Pressure Transmitters

Standard features

- 3A sanitary pressure transmitter
- Signal output: 4-20mA 2-wire
- Supply voltage: 10-30 VDC
- Process connection: 1½" or 2" Tri-Clamp®
- Electrical connection: DIN 43 650 with plug connector
- Wetted parts: Electropolished 316L SS
Electropolish finish is ≤ 15µin per ASME BPE SF4 (except for weld seam)
- System fill: KN92 - Mineral oil



S-10-3A



S-10-3A.C



S-10-3A Part Numbers

Vacuum and compound ranges		Part Numbers
MSRP	\$883.71	
Vacuum and compound ranges		Part Numbers
	1½" Tri-Clamp®	2" Tri-Clamp®
30 inHg Vac	9766329	9744770
-30 inHg / 30 psi	8997395	4204042
-30 inHg / 60 psi	9799732	4224167
-30 inHg / 100 psi	4204387	4300840
Gauge ranges		Part Numbers
MSRP	\$791.87	
0-15 psi	9748202	9748210
0-30 psi	9748075	4225007
0-50 psi	4215789	4215771
0-60 psi	9744703	9748199
0-100 psi	9748237	9747931
0-160 psi	9748245	9748253
0-200 psi	9749408	4213246
0-250 psi	9776227	4268831
0-300 psi	52721440	4253877
0-500 psi	50961667	9745828
0-1,000 psi	8993470	4281737

Special order options

Output signals	MSRP
0-20 mA 3-wire	\$96.36
0-5 V 3-wire	\$96.36
0-10 V 3-wire	\$96.36
Other	On Inquiry
Process connections	MSRP
Integral cooling extension for media temp. up to +350°F (177°C) (Type changes to S-10.3A.C)	\$131.09
3/4" Tri-Clamp® connection	Consult factory
3" Tri-Clamp® connection	
Cherry Burrell® I-Line	
Other	
Other options	MSRP
Certificate of electropolish finish	\$26.10
KN59 NEOBEE® M-20 system fill	\$58.63
KN93 Food grade silicone system fill	\$58.63
Other measurement ranges	On Inquiry
NIST traceable calibration certificate <0.50% B.F.S.L. (part # 502)	\$81.53
Hastelloy® C276 wetted parts	On Inquiry

Consult factory for other electrical connections

Type SA-11 Sanitary Pressure Transmitters

Standard features

- Low pressure 3A sanitary pressure transmitter
- Available with 1.5" or 2" Tri-Clamp® connections
- Designed for media temperature to 150°C (300°F)



SA-11



Type SA-11 with IP 68 cable washdown option

SA-11 Part Numbers		
Pressure connection	1½" or 2" Tri-Clamp®	
Power supply	10-30 VDC	
Signal output	4 -20 mA 2-wire	
Electrical connection	DIN 43 650 with plug connector	
MSRP	\$778.27	
Gauge Ranges	Part number	
	1½" Tri-Clamp®	2" Tri-Clamp®
0 - 100 inWC	4361853	4361861
0 - 150 inWC		4373576
0 - 250 inWC	4361887	4361879
0 - 400 inWC		50362305
0 - 25 psi		4209986
0 - 50 psi	4200104	4200113
0 - 100 psi	4394866	50006495

NOTE: Standard items shown in **bold print**. (Subject to prior sale)

Items shown with part numbers are available from stock (subject to prior sale). Items without part numbers are available on special order.

3A SANITARY

Electronic Pressure > 3A Sanitary > SA-11

ELECTRONIC PRESSURE

SA-11 MSRP and Selection Guide			
Field	Code	Feature	
			Base Price
			\$778.27
			Adders
Signal output			
1	A	4 ... 20 mA, 2-wire	N/C
	B	0 ... 20 mA, 3-wire	\$96.36
	F	0 ... 10 V, 3-wire	\$96.36
	G	0 ... 5 V, 3-wire	\$96.36
	?	Customer specification	\$96.36
Unit			
2	P	psi	N/C
	3	psi absolute	On Inquiry
	N	InWC	N/C
	?	Customer specification	On Inquiry
Pressure range			
3	PCA	-30/0 inHg	On Inquiry
	PCN	0/5 psi	\$111.21
	PCP	0/10 psi	On Inquiry
	PBD	0/30 psi	On Inquiry
	PBE	0/60 psi	On Inquiry
	PBF	0/100 psi 0...100 psia	N/C
	PBG	0/160 psi	On Inquiry
	PBH	0/200 psi	On Inquiry
	PBI	0/300 psi	On Inquiry
	???	Customer specification	N/C
	NGU	0/100 InWC	N/C
	NGV	0/150 InWC	N/C
	NGW	0/250 InWC	On Inquiry
	NGX	0/400 InWC	On Inquiry
Process connection			
4	RT	Tri-Clamp® DN 1-1/2"	N/C
	SA	Tri-Clamp® DN 2"	N/C
	??	Customer specification	On Inquiry
Sealing			
5	A	Without	N/C
	?	Customer specification	On Inquiry
Accuracy			
6	G	+/- 0.25% B.F.S.L.	N/C
	K	+/- 0.125% B.F.S.L.	\$132.65
Electrical connection			
7	A4	4 Pin L-plug DIN EN 175301-803 with PG 9 (NEMA 5 / IP 65)	\$7.13
	M4	4 Pin locking plug M12 x 1 (NEMA 4 / IP 67)	N/C
	EM	Vented cable with free ends (NEMA 6 / IP 68)	On Inquiry
	??	Customer specification	On Inquiry
Cable length			
8	Z	Without	N/C
	Y	5 feet	N/C
	1	10 feet	\$13.49
	2	20 feet	\$40.43
	3	30 feet	\$67.37
	?	Customer specification	\$13.49



SA-11 MSRP and Selection Guide			
Field	Code	Feature	
			Adders
Approvals			
9	Z	Without	N/C
	?	Customer specification	On Inquiry
Quality certificates			
10	Z	Without	N/C
	1	Quality certificates	N/C
Digital display			
11	Z	Without	N/C
	1	Digital display	\$281.64
Additional order details			
12	Z	Without	N/C
	T	Additional text	N/C

Order Code: 1 2 3 4 5 6 7 8 9 10 11 12

SA-11 - - - - -

Additional order details _____

Miscellaneous Parts List

Part #	Description	Used with model numbers	MSRP
316 SS Adapters			
1400452	G1/2 to 1/2NPT male flush to NPT adapter	All with G1/2B flush diaphragm	\$37.07
2252651	G1/2 to 1/2NPT male flush to NPT adapter .45" bore	All with G1/2B flush diaphragm	\$37.07
2252694	G1 to 1/2NPT male flush to NPT adapter .45" bore	All with G1B flush diaphragm	\$96.36
1400460	G1/2 to 1/4NPT male flush to NPT adapter	All with G1/2B flush diaphragm	\$37.07
1206974	P-1 G1 weld insert adapter	All with G1B flush diaphragm	\$66.74
1097008	P-1 G1/2 weld insert adapter	All with G1/2B flush diaphragm	\$66.74
1128302	1/2NPT female to 1/4 NPT male adapter	All 1/2 NPT male transmitters	\$37.75
2250462	P-3 Victaulic adapter for G1B	All with G1B flush diaphragm	\$96.36
O-rings and gaskets			
1108247	Buna N - G1B O-ring	All with G1B flush diaphragm	\$3.75
1100386	Buna N - G1B Gasket	All with G1B flush diaphragm	\$3.75
0478164	Buna N - G1/2B O-ring	All with G1/2B flush diaphragm	\$3.75
1039067	Buna N - G1/2B Gasket	All with G1/2B flush diaphragm	\$3.75
1099094	Viton® G1B O-ring	All with G1B flush diaphragm	\$8.12
1145967	Viton® G1B Gasket	All with G1B flush diaphragm	\$8.12
1158295	Viton® G1/2B O-ring	All with G1/2B flush diaphragm	\$8.12
1039075	Viton® G1/2B Gasket	All with G1/2B flush diaphragm	\$8.12
Electrical connectors			
1006711	DIN 43650 standard replacement connector PG	All S and IS series	\$7.13
1632159	DIN 43650 1/2" female conduit connector	S-1X, IS-2X	\$7.13
9734821	DIN 43650 with molded 6 foot (2 meter) cable	S-1X, IS-2X	\$51.91
9735882	Mini DIN standard replacement connector	C-10, others with MiniDIN connection	\$7.40
9740010	Mini DIN with molded 6 foot (2 meter) cable	C-10, others with MiniDIN connection	\$39.38
2055816	6 foot (2 m) cable with 5 pin M12x1 female plug	All with M12x1 5 pin male connections	\$26.66
11250798	6 foot (2m) cable with 4 pin angled M12X1 female plug	All with M12x1 4 pin connector	\$30.02
11250780	6 foot (2m) cable with 4 pin straight M12X1 female plug	All with M12x1 4 pin connector	\$30.02
11250232	15 foot (4.5m) cable with 4 pin angled M12X1 female plug	All with M12x1 4 pin connector	\$49.23
11250259	15 foot (4.5m) cable with 4 pin straight M12X1 female plug	All with M12x1 4 pin connector	\$49.23
11225793	6 foot (2m) cable with form A (Full Size DIN) female plug	A-10, S-1X, IS-2X with male connection	\$42.00
11250186	15 foot (4.5m) cable with form A (Full Size DIN) female plug	A-10, S-1X, IS-2X with male connection	\$61.20
11225823	6 foot (2m) cable with form C (miniDIN) female plug	A-10 only	\$42.00
11250194	15 foot (4.5m) cable with form C (miniDIN) female plug	A-10 only	\$61.20
Submersible transmitter accessories			
9836700	Vent tube desiccant drying cartridge	LS-10, LH-10, IL-10	\$20.78
50600770	VentGuard® cable protection kit	LS-10, LH-10, IL-10	\$183.49
14052344	Vent tube filter	LS-10, LH-10, IL-10	\$28.10
2074257	Cable clamp	LS-10, LH-10, IL-10	\$31.13
2459686	Cable junction box	LS-10, LH-10, IL-10	\$111.21
1524399	Additional weight	LS-10, LH-10, IL-10	\$100.41
50077091	LevelGuard attachment *	LS-10, LH-10, IL-10	\$585.53
50476114	1/2NPT cable conduit adapter *	LS-10, LH-10	\$37.07
1631322	G1/2 - Male 1/2NPT - 1/4NPT female adaptor	LS-10, LH-10, IL-10	\$37.07
Other miscellaneous accessories			
11449978	Restrictor screw installed *	for 1/2" or 1/4"NPT, SAE male	\$7.40
502	NIST Certificate 0.25% *	S-10, S-11, others	\$81.53
9795885	4-20 mA to 1-5V output signal conversion *	S-10, S-11	\$44.52
504	NIST Certificate 0.125% *	S-10, S-11	\$118.60
4200767	NIST Certificate 0.05% *	P-30, P-31	\$185.34

* Factory installed items cannot be user installed

REFERENCES

References > Conversion Chart

How to convert from °Celsius to °Fahrenheit, or °Fahrenheit to °Celsius

Locate the known temperature (either Fahrenheit or Celsius) in the center shaded column.

Read left to convert from Celsius to Fahrenheit,
or right to convert from Fahrenheit to Celsius.

ELECTRONIC PRESSURE

To °F	From	To °C	To °F	From	To °C	To °F	From	To °C	To °F	From	To °C	To °F	From	To °C	To °F	From	To °C
-148	-100	-73.33	75.2	24	-4.51	298.4	148	64.31	521.6	272	133.13	744.8	396	201.95	968	520	271.11
-144.4	-98	-72.22	78.8	26	-3.4	302	150	65.42	525.2	274	134.24	748.4	398	203.06	971.6	522	272.22
-140.8	-96	-71.11	82.4	28	-2.29	305.6	152	66.53	528.8	276	135.35	752	400	204.17	975.2	524	273.33
-137.2	-94	-70	86	30	-1.18	309.2	154	67.64	532.4	278	136.46	755.6	402	205.28	978.8	526	274.44
-133.6	-92	-68.89	89.6	32	-0.07	312.8	156	68.75	536	280	137.57	759.2	404	206.39	982.4	528	275.56
-130	-90	-67.78	93.2	34	1.04	316.4	158	69.86	539.6	282	138.68	762.8	406	207.5	986	530	276.67
-126.4	-88	-66.67	96.8	36	2.15	320	160	70.97	543.2	284	139.79	766.4	408	208.61	989.6	532	277.78
-122.8	-86	-65.56	100.4	38	3.26	323.6	162	72.08	546.8	286	140.9	770	410	209.72	993.2	534	278.89
-119.2	-84	-64.45	104	40	4.37	327.2	164	73.19	550.4	288	142.01	773.6	412	210.83	996.8	536	280
-115.6	-82	-63.34	107.6	42	5.48	330.8	166	74.3	554	290	143.12	777.2	414	211.94	1000.4	538	281.11
-112	-80	-62.23	111.2	44	6.59	334.4	168	75.41	557.6	292	144.23	780.8	416	213.05	1004	540	282.22
-108.4	-78	-61.12	114.8	46	7.7	338	170	76.52	561.2	294	145.34	784.4	418	214.16	1007.6	542	283.33
-104.8	-76	-60.01	118.4	48	8.81	341.6	172	77.63	564.8	296	146.45	788	420	215.27	1011.2	544	284.44
-101.2	-74	-58.9	122	50	9.92	345.2	174	78.74	568.4	298	147.56	791.6	422	216.38	1014.8	546	285.56
-97.6	-72	-57.79	125.6	52	11.03	348.8	176	79.85	572	300	148.67	795.2	424	217.49	1018.4	548	286.67
-94	-70	-56.68	129.2	54	12.14	352.4	178	80.96	575.6	302	149.78	798.8	426	218.6	1022	550	287.78
-90.4	-68	-55.57	132.8	56	13.25	356	180	82.07	579.2	304	150.89	802.4	428	219.71	1040	560	293.33
-86.8	-66	-54.46	136.4	58	14.36	359.6	182	83.18	582.8	306	152	806	430	220.82	1058	570	298.89
-83.2	-64	-53.35	140	60	15.47	363.2	184	84.29	586.4	308	153.11	809.6	432	221.93	1076	580	304.44
-79.6	-62	-52.24	143.6	62	16.58	366.8	186	85.4	590	310	154.22	813.2	434	223.04	1094	590	310
-76	-60	-51.13	147.2	64	17.69	370.4	188	86.51	593.6	312	155.33	816.8	436	224.15	1112	600	315.66
-72.4	-58	-50.02	150.8	66	18.8	374	190	87.62	597.2	314	156.44	820.4	438	225.26	1130	610	321.11
-68.8	-56	-48.91	154.4	68	19.91	377.6	192	88.73	600.8	316	157.55	824	440	226.37	1148	620	326.22
-65.2	-54	-47.8	158	70	21.02	381.2	194	89.84	604.4	318	158.66	827.6	442	227.48	1166	630	332.22
-61.6	-52	-46.69	161.6	72	22.13	384.8	196	90.95	608	320	159.77	831.2	444	228.59	1184	640	337.78
-58	-50	-45.58	165.2	74	23.24	388.4	198	92.06	611.6	322	160.88	834.8	446	229.7	1202	650	343.33
-54.4	-48	-44.47	168.8	76	24.35	392	200	93.17	615.2	324	161.99	838.4	448	230.81	1220	660	348.89
-50.8	-46	-43.36	172.4	78	25.46	395.6	202	94.28	618.8	326	163.1	842	450	231.92	1238	670	354.44
-47.2	-44	-42.25	176	80	26.57	399.2	204	95.39	622.4	328	164.21	845.6	452	233.03	1256	680	360
-43.6	-42	-41.14	179.6	82	27.68	402.8	206	96.5	626	330	165.32	849.2	454	234.14	1274	690	365.56
-40	-40	-40.03	183.2	84	28.79	406.4	208	97.61	629.6	332	166.43	852.8	456	235.25	1292	700	371.11
-36.4	-38	-38.92	186.8	86	29.9	410	210	98.72	633.2	334	167.54	856.4	458	236.36	1310	710	376.67
-32.8	-36	-37.81	190.4	88	31.01	413.6	212	99.83	636.8	336	168.65	860	460	237.47	1328	720	382.22
-29.2	-34	-36.7	194	90	32.12	417.2	214	100.94	640.4	338	169.76	863.6	462	238.58	1346	730	387.78
-25.6	-32	-35.59	197.6	92	33.23	420.8	216	102.05	644	340	170.87	867.2	464	240	1364	740	393.33
-22	-30	-34.48	201.2	94	34.34	424.4	218	103.16	647.6	342	171.98	870.8	466	241.11	1382	750	398.89
-18.4	-28	-33.37	204.8	96	35.45	428	220	104.27	651.2	344	173.09	874.4	468	242.22	1400	760	404.44
-14.8	-26	-32.26	208.4	98	36.56	431.6	222	105.38	654.8	346	174.2	878	470	243.33	1418	770	410
-11.2	-24	-31.15	212	100	37.67	435.2	224	106.49	658.4	348	175.31	881.6	472	244.44	1436	780	415.56
-7.6	-22	-30.04	215.6	102	38.78	438.8	226	107.6	662	350	176.42	885.2	474	245.55	1454	790	421.11
-4	-20	-28.93	219.2	104	39.89	442.4	228	108.71	665.6	352	177.53	888.8	476	246.66	1472	800	426.67
-0.4	-18	-27.82	222.8	106	41	446	230	109.82	669.2	354	178.64	892.4	478	247.77	1490	810	432.22
3.2	-16	-26.71	226.4	108	42.11	449.6	232	110.93	672.8	356	179.75	896	480	248.88	1508	820	437.78
6.8	-14	-25.6	230	110	43.22	453.2	234	112.04	676.4	358	180.86	899.6	482	250	1526	830	443.33
10.4	-12	-24.49	233.6	112	44.33	456.8	236	113.15	680	360	181.97	903.2	484	251.11	1544	840	448.89
14	-10	-23.38	237.2	114	45.44	460.4	238	114.26	683.6	362	183.08	906.8	486	252.22	1562	850	454.44
17.6	-8	-22.27	240.8	116	46.55	464	240	115.37	687.2	364	184.19	910.4	488	253.33	1580	860	460
21.2	-6	-21.16	244.4	118	47.66	467.6	242	116.48	690.8	366	185.3	914	490	254.44	1598	870	465.56
24.8	-4	-20.05	248	120	48.77	471.2	244	117.59	694.4	368	186.41	917.6	492	255.55	1616	880	471.11
28.4	-2	-18.94	251.6	122	49.88	474.8	246	118.7	698	370	187.52	921.2	494	256.66	1634	890	476.67
32	0	-17.83	255.2	124	50.99	478.4	248	119.81	701.6	372	188.63	924.8	496	257.77	1652	900	482.22
35.6	2	-16.72	258.8	126	52.1	482	250	120.92	705.2	374	189.74	928.4	498	258.88	1670	910	487.78
39.2	4	-15.61	262.4	128	53.21	485.6	252	122.03	708.8	376	190.85	932	500	260	1688	920	493.33
42.8	6	-14.5	266	130	54.32	489.2	254	123.14	712.4	378	191.96	935.6	502	261.11	1706	930	498.89
46.4	8	-13.39	269.6	132	55.43	492.8	256	124.25	716	380	193.07	939.2	504	262.22	1724	940	504.44
50	10	-12.28	273.2	134	56.54	496.4	258	125.36	719.6	382	194.18	942.8	506	263.33	1742	950	510
53.6	12	-11.17	276.8	136	57.65	500	260	126.47	723.2	384	195.29	946.4	508	264.44	1760	960	515.56
57.2	14	-10.06	280.4	138	58.76	503.6	262	127.58	726.8	386	196.4	950	510	265.55	1778	970	521.11
60.8	16	-8.95	284	140	59.87	507.2	264	128.69	730.4	388	197.51	953.6	512	266.66	1796	980	526.67
64.4	18	-7.84	287.6	142	60.98	510.8	266	129.8	734	390	198.62	957.2	514	267.77	1814	990	532.22
68	20	-6.73	291.2	144	62.09	514.4	268	130.91	737.6	392	199.73	960.8	516	268.88	1832	1000	537.78
71.6	22	-5.62	294.8	146	63.2	518	270	132.02	741.2	394	200.84	964.4	518	270			

$$^{\circ}\text{F} = (9/5 ^{\circ}\text{C}) + 32 \quad ^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32)$$

REFERENCES

References > Pressure Units Cross Reference Chart

Pressure Units Cross Reference Chart

PSI	atms.	H ₂ O	mm H ₂ O	cm H ₂ O	oz/in ²	Kg/cm ²	"Hg	mm Hg (Torr)	cm Hg	mbar	bar	Pa (Nm ²)	kPa	MPa
1	0.0681	27.71	703.8	70.38	16	0.0704	2.036	51.715	5.17	68.95	0.0689	6895	6.895	0.0069
14.7	1	407.2	10,343	1,034.3	235.1	1.033	29.92	760	76	1013	1.013	101,325	101.3	0.1013
0.0361	0.00246	1	25.4	2.54	0.5775	0.00254	0.0735	1.866	0.187	2.488	0.00249	248.8	0.249	0.00025
0.001421	0.000097	0.0394	1	0.1	0.0227	0.0001	0.00289	0.0735	0.00735	0.098	0.000098	9.8	0.0098	0.00001
0.01421	0.000967	0.3937	10	1	0.227	0.001	0.0289	0.735	0.0735	0.98	0.00098	98	0.098	0.0001
0.0625	0.00425	1.732	43.986	4.40	1	0.0044	0.1273	3.232	0.323	4.31	0.00431	431	0.431	0.00043
14.22	0.968	394.1	100,010	1,001	227.6	1	28.96	735.6	73.56	980.7	0.981	98,067	98.07	0.0981
0.4912	0.03342	13.61	345.7	34.57	7.858	0.0345	1	25.4	2.54	33.86	0.0339	3386	3.386	0.00339
0.01934	0.001316	0.536	13.61	1.361	0.310	0.00136	0.0394	1	.1	1.333	0.001333	133.3	0.1333	0.000133
0.1934	0.01316	5.358	136.1	13.61	3.10	0.0136	0.394	10	1	13.33	0.01333	1333	1.333	0.00133
0.0145	0.000987	0.4012	10.21	1.021	0.2321	0.00102	0.0295	0.75	0.075	1	0.001	100	0.1	0.0001
14.504	0.987	401.9	10,210	1021	232.1	1.02	29.53	750	75	1000	1	100,000	100	0.1
0.000145	0.00001	0.00402	0.102	0.0102	0.00232	0.00001	0.000295	0.0075	0.00075	0.01	0.00001	1	0.001	0.000001
0.14504	0.00987	4.019	102.07	10.207	2.321	0.0102	0.295	7.5	0.75	10	0.01	1,000	1	0.001
145.04	9.869	4019	102,074	10,207	2321	10.2	295.3	7500	750	10,000	10	1,000,000	1,000	1

To use this chart:

1. Find the column with the units you want to convert from.
2. Move down that column until you find the "1".
3. Staying in the same row, move horizontally to the column with the units you are converting to.
4. Multiply the number in that box by the amount you are changing from to get the converted value.

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