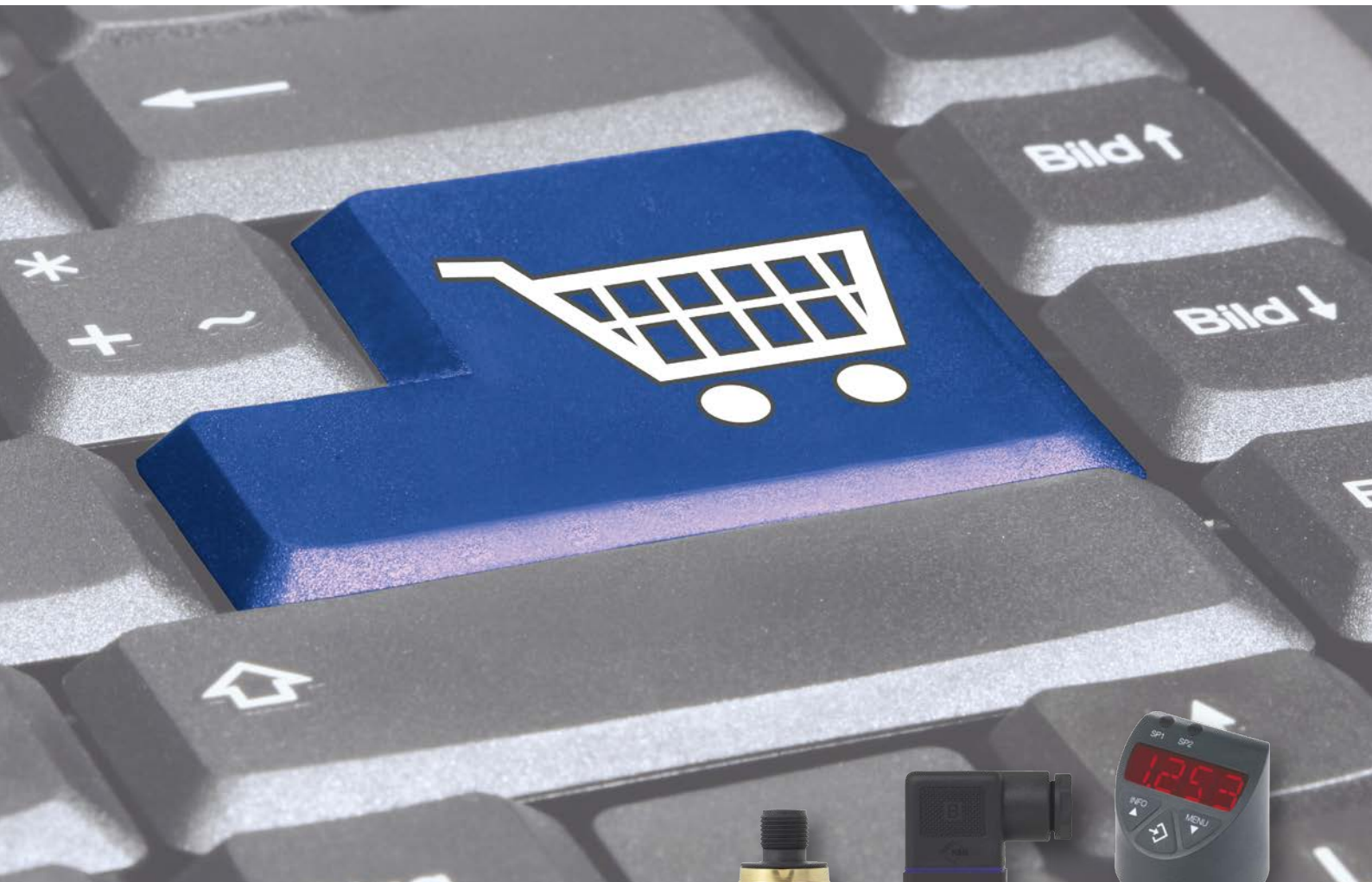


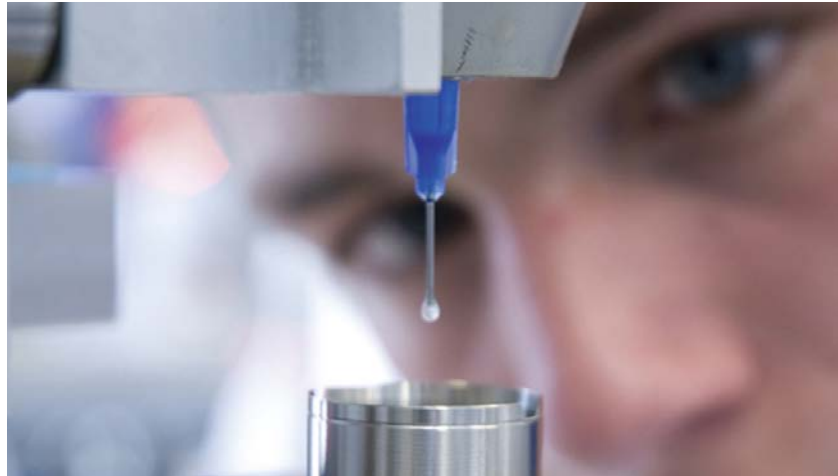
Order information



Your reliable partner

As a family-run business acting globally, with over 7,900 highly qualified employees, the WIKA group of companies is a worldwide leader in pressure and temperature measurement.

The company also sets the standard in the measurement of level and flow, and in calibration technology. Founded in 1946, WIKA is today a strong and reliable partner for all the requirements of industrial measurement technology, thanks to a broad portfolio of high-precision instruments and comprehensive services.



All variations of pressure sensors

WIKA offers a complete range of electronic pressure measuring instruments: pressure sensors, pressure switches, pressure transmitters and process transmitters for the measurement of gauge, absolute and differential pressure. Our pressure measuring instruments are available in the measuring ranges 0 ... 100 mbar to 0 ... 15,000 bar. These instruments come supplied with standardised current or voltage output signals (also intrinsically safe per ATEX or with flameproof enclosure), interfaces and protocols for various field buses.



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One model is presented on each double page. The tables on the left page offer you a quick overview of the order numbers and the most common versions. Based on the model coding on the right page, you can individually assemble your instrument. In addition, further versions are available on request.

Pressure transmitter for common demands, model A-10

Applications

- Price-sensitive industrial applications
- Simple thus reliable measurement in development and research
- Distributors, resellers and wholesalers in various industries

Specifications

- Measuring ranges from 0 ... 0.6 to 0 ... 1,000 bar
- Non-linearity 0.25 or 0.5 %
- Output 4 ... 20 mA, DC 0 ... 10 V, DC 0 ... 5 V and others
- Electrical connection: Angular connector form A and C, circular connector M12 x 1, cable outlet 2 m
- Process connection G ¼ A DIN 3852-E, ¼ NPT and others



Order numbers

Process connection		G ¼ A DIN 3852-E	
Electrical connection		Angular connector DIN EN 175301-803 A	
Sealing		NBR	
Medium temperature		0 ... 80 °C	
Non-linearity		0.5 % BFSL	
Output signal		4 ... 20 mA, 2-wire	0 ... 10 V, 3-wire
Power supply		DC 8 ... 30 V	DC 14 ... 30 V
Measuring ranges	0 ... 0.6 bar	14116790	14116248
	0 ... 1 bar	12719049	12852822
	0 ... 1.6 bar	12719405	12963446
	0 ... 2.5 bar	12719243	12909913
	0 ... 4 bar	12719251	12725421
	0 ... 6 bar	12719391	12824837
	0 ... 10 bar	12719260	12725057
	0 ... 16 bar	12719286	12784720
	0 ... 25 bar	12719308	12873315
	0 ... 40 bar	12719316	12910903
	0 ... 60 bar	12719324	12725448
	0 ... 100 bar	12719383	12850838
	0 ... 160 bar	12719375	12887430
	0 ... 250 bar	12719332	12725111
	0 ... 400 bar	12719341	12725102
	0 ... 600 bar	12719367	12850781
	0 ... 1,000 bar	45702091	14059245

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet PE 81.60)

Field no.	Code	Version
Non-linearity		
①	6	0.5 % BFSL
	3	0.25 % BFSL
Measuring range		
②	260	0 ... 0.6 bar
	310	0 ... 1 bar
	316	0 ... 1.6 bar
	325	0 ... 2.5 bar
	340	0 ... 4 bar
	360	0 ... 6 bar
	410	0 ... 10 bar
	416	0 ... 16 bar
	425	0 ... 25 bar
	440	0 ... 40 bar
	460	0 ... 60 bar
	510	0 ... 100 bar
	516	0 ... 160 bar
	525	0 ... 250 bar
	540	0 ... 400 bar
	560	0 ... 600 bar
	610	0 ... 1,000 bar
Process connection		
③	HD1	G ¼ A DIN 3852-E, NBR
	TBZ	G ¼ female
	NBZ	¼ NPT
	NPZ	¼ NPT female
	MVL	7/16"-20 UNF-SAE O-ring BOSS, FPM/FKM
	MIC	M20 x 1.5, copper
	REZ	R ¼ ISO 7
	PEZ	PT ¼
	GCZ	G ¾ B
Output signal		
④	AA	4 ... 20 mA
	FC	0 ... 10 V
	GA	0 ... 5 V
	KA	1 ... 5 V
	1A	0.5 ... 4.5 V
Electrical connection		
⑤	AGZ	Angular connector DIN 175301-803 A
	AKB	Angular connector DIN 175301-803 A with 2 m cable
	CGZ	Angular connector DIN 175301-803 C
	CKB	Angular connector DIN 175301-803 C with 2 m cable
	M4Z	Circular connector M12 x 1, 4-pin
	MGB	Angled socket M12 x 1,4-pin with 2 m cable
	MIB	Cable socket M12 x 1,4-pin with 2 m cable
	DLB	Cable outlet, IP 67
	OEB	Cable outlet, OEM
Approvals		
⑥	S	cULus, GOST
	E	Germanischer Lloyd (GL), cULus, GOST

Order code: A-10 - - BG - Z - - - Z

Pressure transmitter for superior demands, model S-20

Applications

- Critical industrial applications
- Demanding applications in research and development
- Harsh environments in the process industry

Special features

- Robust design
- Exceptional number of variants
- Customer-specific options
- Free-of-charge test report
- Short lead times



Order numbers				
Non-linearity		0.25 % of span (IEC 61298-2)		
Electrical connection		Angular connector DIN 175301-803 A		
Media temperature		-20 ... +100 °C	-30 ... +100 °C	
Sealing		NBR	Copper	
Process connection		G ¼ DIN 3852-E	G ½ B	G ½ B
Output signal		4 ... 20 mA, 2-wire	4 ... 20 mA, 2-wire	0 ... 10 V, 3-wire
Measuring range	-1 ... 0 bar	14071217	14071123	14071195
	0 ... 0.4 bar	14071221	14071126	14071196
	0 ... 0.6 bar	14071223	14071128	14071197
	0 ... 1 bar	14071224	14071133	14071198
	0 ... 1.6 bar	14071225	14071134	14071199
	0 ... 2.5 bar	14071232	14071135	14071200
	0 ... 4 bar	14071233	14071137	14071201
	0 ... 6 bar	14071235	14071139	14071202
	0 ... 10 bar	14071237	14071141	14071203
	0 ... 16 bar	14071238	14071142	14071204
	0 ... 25 bar	14071239	14071144	14071205
	0 ... 40 bar	14071245	14071145	14071206
	0 ... 60 bar	14071248	14071146	14071207
	0 ... 100 bar	14071252	14071148	14071208
	0 ... 160 bar	14071254	14071149	14071209
	0 ... 250 bar	14071268	14071151	14071210
	0 ... 400 bar	14071271	14071153	14071211
	0 ... 600 bar	14071275	14071155	14071212
	0 ... 1,000 bar	on request	14071157	14071213

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet PE 81.61)

Field no.	Code	Version
Non-linearity		
①	6	0.5 % BFSL
	3	0.25 % BFSL
	B	0.125 % BFSL
Measuring range		
②	240	0 ... 0.4 bar
	260	0 ... 0.6 bar
	310	0 ... 1 bar
	316	0 ... 1.6 bar
	325	0 ... 2.5 bar
	340	0 ... 4 bar
	360	0 ... 6 bar
	410	0 ... 10 bar
	416	0 ... 16 bar
	425	0 ... 25 bar
	440	0 ... 40 bar
	460	0 ... 60 bar
	510	0 ... 100 bar
	516	0 ... 160 bar
	525	0 ... 250 bar
	540	0 ... 400 bar
	560	0 ... 600 bar
	610	0 ... 1,000 bar
	616	0 ... 1,600 bar
Process connection		
③	HAC	G ¼ B EN 837
	HSC	G ½ B EN 837
	HD1	G ¼ A DIN 3852-E
	MVL	7/16-20 UNF SAE O-ring Boss
	NBZ	¼ NPT
	PEZ	PT ¼
Media temperature		
④	3K	-30 ... +100 °C
	4Q	-40 ... +125 °C
	4T	-40 ... +150 °C (not available with process connections HD1, MVL and NBZ)
	41	-40 ... +200 °C (not available with process connections HD1, MVL and NBZ)
Output signal		
⑤	A	4 ... 20 mA
	F	0 ... 10 V
	G	0 ... 5 V
	K	1 ... 5 V
	L	1 ... 6 V
	1	0.5 ... 4.5 V
	W	0.5 ... 4.5 V (ratiometric)
Electrical connection		
⑥	AGGZZZ	Angular connector DIN 175301-803 A
	CGGZZZ	Angular connector DIN 175301-803 C
	M4ZZZZ	Circular connector M12 x 1 (4-pin)
	MMZZZZ	Circular connector M12 x 1 (4-pin), metallic
	DLZUM2	Cable outlet IP 67 (2 m)
	2XZBM2	Cable outlet ½ NPT conduit (2 m)

Order code: S-20 - ^① - BG ^② - ^③ ^④ ^⑤ ^⑥ - ZZZ

OEM pressure transmitter, model O-10

Applications

- Hydraulics and pneumatics
- Pumps and compressors
- Machine building
- Building services

Specifications

- Measuring ranges from 0 ... 6 to 0 ... 600 bar
- Non-linearity 0.5 %
- Standard industrial signals
- Electrical connection: Angular connector form A and C, circular connector M12 x 1, Metri-Pack series 150, cable outlet 2 m unshielded or shielded
- Many internationally customary process connections



Order numbers					
Output signal		4 ... 20 mA, 2-wire			
Power supply		DC 8 ... 30 V			
Model		O-10 (T) standard version		O-10 (5) with 5-fold overpressure limit and condensation-tight case	
Electrical connection		Angular connector DIN EN 175301-803 A (without mating connector)		Circular connector M12 x 1	
Media temperature		-30 ... +100 °C		-40 ... +100 °C	
Process connection		G ¼ A DIN 3852-E with NBR sealing	G ¼ B EN 837	G ¼ A DIN 3852-E with NBR sealing	G ¼ B EN 837
Measuring range	0 ... 6 bar	82107801	14073173	67222739	14118247
	0 ... 10 bar	82092120	71092064	67222738	14118248
	0 ... 16 bar	71069488	14067059	14091377	14118249
	0 ... 25 bar	14121296	71113771	67223112	14118250
	0 ... 40 bar	14118242	71113789	14118246	14118251
	0 ... 60 bar	45701034	14092856	--	--
	0 ... 100 bar	14118243	14084654	--	--
	0 ... 160 bar	14118244	71106855	--	--
	0 ... 250 bar	45727850	71092081	--	--
	0 ... 400 bar	14121298	71092099	--	--
	0 ... 600 bar	14118245	71092102	--	--

Legend: available from stock in Germany available after production -- not available

Minimum lot size 50 pcs.

Quick order code (you can find further possible variants in data sheet PE 81.65)

Model O-10 (T)

Field no.	Code	Version
Non-linearity		
①	6	0.5 % BSFL
	3	0.6 % BFSL (with 6 and 10 bar)
Measuring range		
②	360	0 ... 6 bar
	410	0 ... 10 bar
	416	0 ... 16 bar
	425	0 ... 25 bar
	440	0 ... 40 bar
	460	0 ... 60 bar
	510	0 ... 100 bar
	516	0 ... 160 bar
	525	0 ... 250 bar
	540	0 ... 400 bar
	560	0 ... 600 bar
Version		
③	T	standard version
Process connection		
④	HAZ	G ¼ B EN 837
	HD1	G ¼ A DIN 3852-E, NBR
	HN1	M14 x 1.5 DIN 3852-E, NBR
	NBZ	¼ NPT
	REZ	R ¼ ISO 7
	PEZ	PT ¼
Output signal		
⑤	A	4 ... 20 mA
	F	0 ... 10 V
	G	0 ... 5 V
	K	1 ... 5 V
	1	0.5 ... 4.5 V
	W	0.5 ... 4.5 V ratiometric
Electrical connection		
⑥	AGZ	Angular connector DIN 175301-803 A
	CGZ	Angular connector DIN 175301-803 C
	M4Z	Circular connector M12 x 1, 4-pin
	R3Z	Metri-Pack series 150, 3-pin (from 60 bar)
	CUB	Cable outlet, unshielded, 2 m
	CSB	Cable outlet, shielded, 2 m

Model O-10 (5) with 5-fold overpressure safety

Field no.	Code	Version
Non-linearity		
①	6	0.5 % BSFL
	3	0.6 % BFSL (with 6 and 10 bar)
Measuring range		
②	360	0 ... 6 bar
	410	0 ... 10 bar
	416	0 ... 16 bar
	425	0 ... 25 bar
	440	0 ... 40 bar
Version		
③	5	with 5-fold overpressure limit and condensation-tight case
Process connection		
④	HAZ	G ¼ B EN 837
	HD1	G ¼ A DIN 3852-E, NBR
	HN1	M14 x 1.5 DIN 3852-E, NBR
	NBZ	¼ NPT
	REZ	R ¼ ISO 7
	PEZ	PT ¼
Output signal		
⑤	A	4 ... 20 mA
	K	1 ... 5 V
	1	0.5 ... 4.5 V
	W	0.5 ... 4.5 V ratiometric
Electrical connection		
⑥	M4Z	Circular connector M12 x 1, 4-pin
	R3Z	Metri-Pack series 150, 3-pin
	CUB	Cable outlet, unshielded, 2 m

Minimum lot size 50 pcs.

Order code: O-10 - ① - BG ② - ③ - ④ Z3K - ⑤ ⑥ - WZZ

Flush pressure transmitter for viscous and solids-containing media, model S-11

Applications

- Machine building
- Hydraulic aggregates
- General industrial applications
- Food and beverage industry

Special features

- High-quality product
- Many configurations possible
- Flush process connection
- Large stocks for short delivery items
- Vacuum-tight



Order numbers			
Non-linearity		0.5 % of span (per IEC 61298-2)	
Electrical connection		Angular connector DIN 175301-803 A	
Medium temperature		-30 ... +100 °C	
Power supply		DC 10 ... 30 V	
Output signal		4 ... 20 mA	
Wetted parts		Stainless steel and NBR O-ring	
Adjustability		Zero point and span ± 5 %	
Process connection		G 1 B front flush with O-ring	G ½ B front flush with O-ring
Measuring range	-1 ... 0 bar	9810714	--
	0 ... 0.1 bar	9083537	--
	0 ... 0.16 bar	9083545	--
	0 ... 0.25 bar	9021264	--
	0 ... 0.4 bar	9021272	--
	0 ... 0.6 bar	9021280	--
	0 ... 1 bar	9021299	--
	0 ... 1.6 bar	9021302	--
	0 ... 2.5 bar	--	9021310
	0 ... 4 bar	--	9021213
	0 ... 6 bar	--	9021221
	0 ... 10 bar	--	9021230
	0 ... 16 bar	--	9021248
	0 ... 25 bar	--	9023518
	0 ... 40 bar	--	9023526
	0 ... 60 bar	--	9023534
	0 ... 100 bar	--	9023542
	0 ... 160 bar	--	9023550
	0 ... 250 bar	--	9023569
	0 ... 400 bar	--	9023577
	0 ... 600 bar	--	9023585

Legend:
 available from stock in Germany
available after production
-- not available

Quick order code (you can find further possible variants in data sheet PE 81.02)

Field no.	Code	Version
Output signal		
①	A	4 ... 20 mA
	B	0 ... 20 mA
	F	0 ... 10 V
	G	0 ... 5 V
Measuring range		
②	BAL	0 ... 0.1 bar
	BAM	0 ... 0.16 bar
	BAN	0 ... 0.25 bar
	BBB	0 ... 0.4 bar
	BBC	0 ... 0.6 bar
	BBD	0 ... 1 bar
	BBE	0 ... 1.6 bar
	BBF	0 ... 2.5 bar
	BBG	0 ... 4 bar
	BBH	0 ... 6 bar
	BBI	0 ... 10 bar
	BBK	0 ... 16 bar
	BBL	0 ... 25 bar
	BBM	0 ... 40 bar
	BBN	0 ... 60 bar
	BBO	0 ... 100 bar
	BBP	0 ... 160 bar
	BBQ	0 ... 250 bar
	BBS	0 ... 400 bar
	BBT	0 ... 600 bar
	BCD	-1 ... +0.6 bar
	BCF	-1 ... +1.5 bar
	BCH	-1 ... +3 bar
	BCK	-1 ... +5 bar
	BCL	-1 ... +9 bar
	BCP	-1 ... +15 bar
	BCV	-1 ... +24 bar
	PBC	0 ... 15 psi
	PBD	0 ... 30 psi
	PBE	0 ... 60 psi
	PBF	0 ... 100 psi
	PBG	0 ... 160 psi
	PDG	0 ... 250 psi
	PBK	0 ... 400 psi
	PBL	0 ... 600 psi
	PBN	0 ... 1,000 psi
	PBQ	0 ... 3,000 psi
	PBS	0 ... 5,000 psi
Process connection		
③	85	G 1 B flush diaphragm with O-ring (from 0.1 to 1.6 bar)
	86	G ½ B flush diaphragm with O-ring (from 2.5 to 600 bar)
	84	Hygienic G 1 B flush diaphragm - material B (from 0.1 to 25 bar)
Material		
④	1	Stainless steel and NBR O-ring (not possible with measuring temperature C)
	L	Stainless steel and FPM/FKM O-ring
	B	Stainless steel and EPDM O-ring
Accuracy		
⑤	G	0.5 %
	K	0.25 %
Electrical connection		
⑥	A4	Angular connector DIN 175301-803 A
	M4	M12 x 1 (4-pin)
Measuring temperature		
⑦	A	-30 ... +100 °C
	C	-20 ... +150 °C

Order code: S-11 - ^① - ^② - ^③ - ^④ Z ^⑤ ^⑥ Z ^⑦ Z - ZZZ

Pressure transmitter for highest pressure applications up to 15,000 bar, model HP-2

Applications

- Test bench construction
- Water jet cutting
- High-pressure pasteurisation
- High-pressure cleaning

Specifications

- Measuring ranges: 0 ... 1,600 to 0 ... 15,000 bar
- Accuracy: 0.5 or 0.25 %
- Output signals: 4 ... 20 mA, DC 0 ... 5 V, DC 0 ... 10 V and USB 2.0
- Electrical connection: Angular connector DIN 175301-803 A, circular connector M12 x 1, USB connector and cable outlet
- Process connection: M16 x 1.5 female, M20 x 1.5 female, 9/16-18 UNF female



Order numbers

Material		Stainless steel case		
Power supply		DC 10 ... 30 V		
Accuracy		0.5 % of span		
Medium temperature		0 ... 80 °C		
Electrical connection		Angular connector DIN EN 175301-803 A		Circular connector M12 x 1
Output signal		4 ... 20 mA, 2-wire		DC 0 ... 10 V, 3-wire
Process connection		M16 x 1.5 female, with sealing cone	M20 x 1.5 female, with sealing cone	9/16-18 UNF female
Measuring range	0 ... 1,600 bar	13010646	13302787	13249020
	0 ... 2,500 bar	13131265	13400401	13249054
	0 ... 4,000 bar	12975541	13154754	13249062
	0 ... 5,000 bar	13160273	14121244	13240971
	0 ... 6,000 bar	13216121	13481194	13249097
	0 ... 7,000 bar	13212362	13377460	13249101
	0 ... 8,000 bar	on request	13250434	on request
	0 ... 10,000 bar	on request	13198727	on request

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet PE 81.53)

Field no.	Code	Version
Type		
①	S	Standard
	D	with DIPS - Diaphragm Impact Protection System (protects from cavitation and micro-diesel effects for use with water as a medium)
	3	with EPC - Exchangable Process Connection (when hairline cracks can occur)
Accuracy		
②	G	0.5 % of span
	K	0.25 % of span
Measuring range		
③	BG616	0 ... 1,600 bar
	BG625	0 ... 2,500 bar
	BG640	0 ... 4,000 bar
	BG650	0 ... 5,000 bar
	BG660	0 ... 6,000 bar
	BG670	0 ... 7,000 bar
	BG680	0 ... 8,000 bar
	BG710	0 ... 10,000 bar
	BG712	0 ... 12,000 bar
	BG715	0 ... 15,000 bar
Process connection		
④	ML	M16 x 1.5 female, with sealing cone
	MP	M20 x 1.5 female, with sealing cone
	VZ	9/16-18 UNF female
Output signal		
⑤	A	4 ... 20 mA, 2-wire
	F	0 ... 10 V, 3-wire
	G	0 ... 5 V, 3-wire
	2	USB 2.0
Electrical connection		
⑥	A4Z	Angular connector DIN 175301-803 A
	M4Z	Circular connector M12 x 1, 4-pin
	U2B	USB connector type A with 2 m cable
	DLC	Cable outlet, 1.5 m

Order code: HP-2 - ^① - ^② - ^③ - ^④ - ^⑤ - ^⑥ Z - ZZ

Pressure transmitter for precision measurements, models P-30, P-31

Applications

- Measurement and test benches
- Calibration technology
- Laboratories
- Plant construction and machine building

Special features

- Accuracy 0.1 %, without additional temperature error in a range of 10 ... 60 °C
- Optional accuracy of 0.05 % (full scale) available
- Fast measuring rates up to 1 kHz
- Analogue, USB and CANopen® output signals available
- On-site calibration possible using product software



Order numbers				
Accuracy		0.1 % of span (per IEC 61298-2)		
Electrical connection		Circular connector M12 x 1	Circular connector M12 x 1	USB connector type A
Output signal		0 ... 10 V, 3-wire	4 ... 20 mA, 2-wire	USB 2.0
Process connection		G ½ B	G ½ B	G ½ B
Measuring range	0 ... 0.25 bar	14103512	13102141	57255083
	0 ... 0.4 bar	14103528	57307562	14103549
	0 ... 0.6 bar	14103530	44966636	14007831
	0 ... 1 bar	14103531	14031883	14103550
	0 ... 1.6 bar	14103532	73013897	14103551
	0 ... 2.5 bar	57267341	14063237	14103552
	0 ... 4 bar	14103533	45433313	14103553
	0 ... 6 bar	14103534	45335427	14039564
	0 ... 10 bar	14034768	14003666	14028677
	0 ... 16 bar	13102061	13334558	45705331
	0 ... 25 bar	13456424	14041445	14051187
	0 ... 40 bar	13304933	13251422	14007830
	0 ... 60 bar	13251384	40325831	58264264
	0 ... 100 bar	13251392	65416546	14093459
	0 ... 160 bar	14103538	13450558	14103554
	0 ... 250 bar	13251406	13251431	14070671
	0 ... 400 bar	14103540	13450531	46684352
	0 ... 600 bar	13251414	14003197	14063217

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet PE 81.54)

Field no.	Code	Version
Pressure connection		
①	0	Standard
	1	Flush diaphragm
Accuracy		
②	P	0.1 % of span
	S	0.05 % of span
Measuring range		
③	BG225	0 ... 0.25 bar (only with accuracy 0.1 % available)
	BG240	0 ... 0.4 bar
	BG260	0 ... 0.6 bar
	BG310	0 ... 1 bar
	BG316	0 ... 1.6 bar
	BG325	0 ... 2.5 bar
	BG340	0 ... 4 bar
	BG360	0 ... 6 bar
	BG410	0 ... 10 bar
	BG416	0 ... 16 bar
	BG425	0 ... 25 bar
	BG440	0 ... 40 bar
	BG460	0 ... 60 bar
	BG510	0 ... 100 bar
	BG516	0 ... 160 bar
	BG525	0 ... 250 bar
	BG540	0 ... 400 bar
	BG560	0 ... 600 bar
	BG610	0 ... 1,000 bar
Process connection		
④	GD	G ½ B EN 837
	GB	G ¼ B EN 837
	ND	½ NPT
	NB	¼ NPT
	HD	G ¼ A DIN 3852-E
	TB	G ¼ female
	T4	G ½ male, G ¼ female
	M6	M18 x 1.5 male, G ¼ female
	85	G 1 B flush diaphragm with O-ring
	86	G ½ B flush diaphragm with O-ring
Output signal		
⑤	A	4 ... 20 mA, 2-wire
	B	0 ... 20 mA, 3-wire
	F	0 ... 10 V, 3-wire
	G	0 ... 5 V, 3-wire
	V	4 ... 20 mA, 3-wire
	2	USB 2.0
	2	CANopen per CiA DS404, protocol DS 301
Electrical connection		
⑥	M4Z	Circular connector M12 x 1 (4-pin)
	B5Z	Circular connector M16 x 0.75 (5-pin)
	C6Z	Bayonet connector (6-pin)
	A4Z	Angular connector DIN 175301-803 A, IP 65
	DLB	Cable outlet, IP 67 (2 m)
	U2X	USB cable outlet with connector type A (1.8 m)
	M5Z	Circular connector M12 x 1 (5-pin)
Certificate		
⑦	1	Standard test report
	2	Quality certificate DIN EN 10204 (2.2 or 3.1; further details needed)

Order code: P-3 - - - ZZ- - - Z

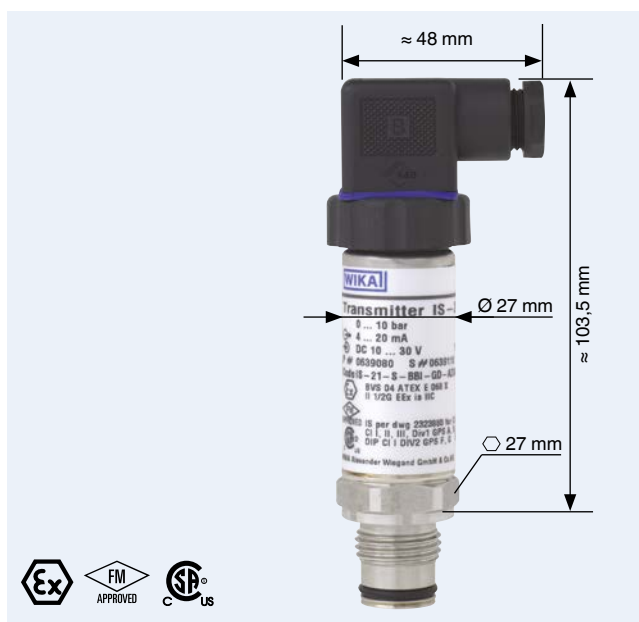
Intrinsically safe pressure transmitter for applications in hazardous areas, models IS-20, IS-21

Applications

- Chemical, petrochemical industry
- Oil, natural gas
- Machine building

Special features

- Measuring ranges from 0 ... 0.1 to 0 ... 1,000 bar
- Approved for use in hazardous areas per ATEX, FM and CSA
- Suitable for SIL 2 per IEC 61508/IEC 61511 (optional)
- Isolated barrier as available accessory



Order numbers

Process connection		G ½ B	
Accuracy		0.5 % of span	
Output signal		4 ... 20 mA, 2-wire	
Approval		II 1/2 G Ex ia IIC T* + I M1 Ex ia per ATEX incl. FM, CSA	
Electrical connection		Angular connector DIN EN 175301-803 A	Field case
Measuring range	-1 ... 0 bar	7495581	12300594
	0 ... 0.1 bar	7495629	12283470
	0 ... 0.16 bar	7495645	14121341
	0 ... 0.25 bar	7495670	12287505
	0 ... 0.4 bar	7495688	14121344
	0 ... 0.6 bar	7495696	12268284
	0 ... 1 bar	7495700	12180335
	0 ... 1.6 bar	7495726	12274683
	0 ... 2.5 bar	7495751	12094600
	0 ... 4 bar	7495769	12274691
	0 ... 6 bar	7495777	12119785
	0 ... 10 bar	7495785	12174361
	0 ... 16 bar	7495794	12271632
	0 ... 25 bar	7495807	12236047
	0 ... 40 bar	7495815	12066141
	0 ... 60 bar	7495824	12209180
	0 ... 100 bar	7495840	12300471
	0 ... 160 bar	7495858	14121345
	0 ... 250 bar	7495866	12066109
	0 ... 400 bar	7495874	14121346
	0 ... 600 bar	7495883	14121347
	0 ... 1,000 bar	7495904	14121348

Legend: available from stock in Germany available after production -- not available

Accessories	Isolated barrier (HART compatible) for hazardous areas
Model KFD2-STC4-Ex1	2341268

Quick order code (you can find further variants in data sheet PE 81.50)

Field no.	Code	Version
Pressure connection		
①	0	Standard
	1	Flush diaphragm
Version		
②	S	Standard
	F	Field case
Measuring range		
③	BAL	0 ... 0.1 bar
	BAN	0 ... 0.25 bar
	BBB	0 ... 0.4 bar
	BBC	0 ... 0.6 bar
	BBD	0 ... 1 bar
	BBE	0 ... 1.6 bar
	BBF	0 ... 2.5 bar
	BBG	0 ... 4 bar
	BBH	0 ... 6 bar
	BBI	0 ... 10 bar
	BBK	0 ... 16 bar
	BBL	0 ... 25 bar
	BBM	0 ... 40 bar
	BBN	0 ... 60 bar
	BBO	0 ... 100 bar
	BBP	0 ... 160 bar
	BBQ	0 ... 250 bar
	BBS	0 ... 400 bar
	BBT	0 ... 600 bar
	BBU	0 ... 1,000 bar
	BBV	0 ... 1,600 bar
	BBX	0 ... 2,500 bar
	BB1	0 ... 5,000 bar
Process connection		
④	GD	G ½ B
	GB	G ¼ B
	ND	½ NPT
	NB	¼ NPT
	ML	M16 x 1.5 female, with sealing cone
	VZ	9/16-18 UNF female F 250-C
	MP	M20 x 1.5 female, with sealing cone
	HD	G ¼ A DIN 3852-E
	MI	M20 x 1.5
Accuracy		
⑤	G	0.5 % of span
	K	0.25 % of span
Electrical connection		
⑥	A4	Angular connector DIN 175301-803 A
	M4	Circular connector M12 x1, 4-pin
	DL	Cable outlet, IP 67
	EM	Cable outlet, IP 68 (zero point/span not adjustable)
	XM	Cable outlet, IP 68 (zero point/span adjustable)
	B5	Circular connector, M16 x 0.75, 5-pin
	FH	Field case, cable gland brass nickel-plated with spring clip terminal

Order code: IS-2 ① - ② - ③ - ④ - AZ ⑤ ⑥ UZ1-ZZZ

Intrinsically safe pressure transmitter for highest pressure applications in hazardous environments, model IS-20-H

Applications

- Chemical and petrochemical industry
- Polyethylene production plants

Special features

- Pressure ranges from 0 ... 1,600 to 0 ... 6,000 bar
- Sensor stayed via sealing cone
- Ex protection Ex ia I/II C T6 in compliance with ATEX: Gases, vapours and mist: Zone 0, Zone 1 and Zone 2
- FM, CSA approval for
 - Intrinsically safe Class I, II and III Division 1, Group A, B, C, D, E, F, G
 - Dust Class II and III Division 1, Group E, F, G
 - Class I, Zone 0, AEx ia II C



Order numbers		
Process connection		M16 x 1.5 female
Accuracy		0.5 % of span (per IEC 61298-2)
Output signal		4 ... 20 mA, 2-wire
Approval		II 1/2 G Ex ia IIC T* + I M1 Ex ia per ATEX incl. FM, CSA
Electrical connection		Angular connector DIN EN 175301-803 A
Measuring ranges	0 ... 1,600 bar	12108677
	0 ... 2,500 bar	12110400
	0 ... 4,000 bar	12455572
	0 ... 5,000 bar	14019662
	0 ... 6,000 bar	14104334

Legend: available from stock in Germany available after production -- not available

Accessories	Isolated barrier (HART compatible) for hazardous areas
Model KFD2-STC4-Ex1	2341268

Quick order code (you can find further variants in data sheet PE 81.51)

Field no.	Code	Version
Measuring range		
①	BBV	0 ... 1,600 bar
	BBX	0 ... 2,500 bar
	BBZ	0 ... 4,000 bar
	BB1	0 ... 5,000 bar
	BB2	0 ... 6,000 bar
Process connection		
②	ML	M16 x 1.5 female, with sealing cone
	VZ	9/16-18 UNF female F 250-C
	MP	M20 x 1.5 female, with sealing cone
Electrical connection		
③	A4Z	Angular connector DIN 175301-803 A
	M4Z	Circular connector M12 x 1, 4-pin
	DLC	Cable outlet, IP 67 (1.5 m)
	B5Z	Circular connector, M16 x 0.75, 5-pin
	FHZ	Field case, cable gland brass nickel-plated, with spring clip terminal

Order code: IS-20-H ^① - ^② -AZG ^③ UZ1-ZZZ

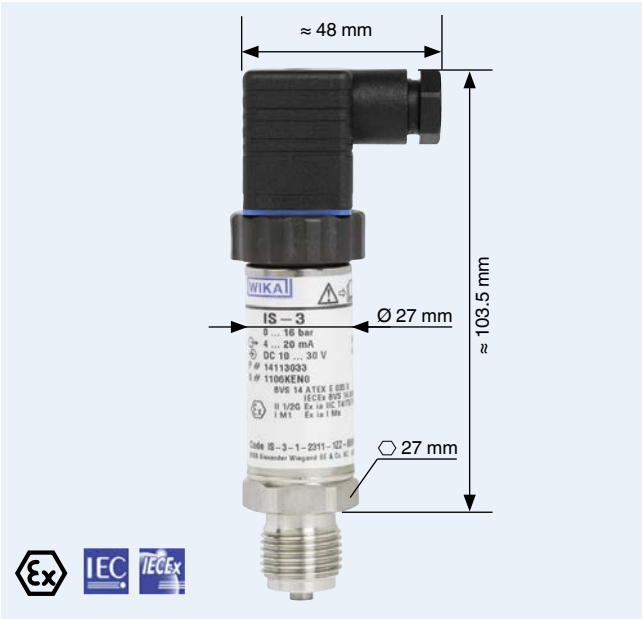
Pressure transmitter for applications in hazardous areas, model IS-3

Applications

- Chemical, petrochemical industry
- Oil, natural gas
- Machine building

Special features

- Measuring ranges from 0 ... 0.1 to 0 ... 6,000 bar
- Approved for use in hazardous areas per ATEX
- Suitable for SIL 2 per IEC 61508/IEC 61511



Order numbers

Process connection		G ½ B
Accuracy		0.5 % of span
Output signal		4 ... 20 mA, 2-wire
Approvals		Intrinsically safe, II 1/2 G Ex ia IIC T* + I M1 Ex ia per ATEX and IECEx
Electrical connection		Angular connector DIN EN 175301-803 A
Measuring range	-1 ... 0 bar	14122591
	0 ... 0.1 bar	14122676
	0 ... 0.16 bar	14122677
	0 ... 0.25 bar	14122678
	0 ... 0.4 bar	14122680
	0 ... 0.6 bar	14122681
	0 ... 1 bar	14122683
	0 ... 1.6 bar	14122686
	0 ... 2.5 bar	14122690
	0 ... 4 bar	14122691
	0 ... 6 bar	14122694
	0 ... 10 bar	14122696
	0 ... 16 bar	14122697
	0 ... 25 bar	14122698
	0 ... 40 bar	14122700
	0 ... 60 bar	14122703
	0 ... 100 bar	14122704
	0 ... 160 bar	14122705
	0 ... 250 bar	14122706
	0 ... 400 bar	14122707
	0 ... 600 bar	14122709
	0 ... 1,000 bar	14122713

Legend: available from stock in Germany available after production -- not available

Accessories	Isolated barrier (HART compatible) for hazardous areas
Model KFD2-STC4-Ex1	2341268

Quick order code (you can find further variants in data sheet PE 81.58)

Field no.	Code	Version
Pressure connection		
①	0	Standard
	1	Flush diaphragm
Ignition protection type and area of use		
②	1411	Intrinsically safe, Ex ia, Category 1, Zone 0/20, Div.1, Div.2, gas, dust, mining
	2411	Intrinsically safe, Ex ia, Category 2, Zone 1/21, Div.1, Div.2, gas, dust, mining
	3343	Protection by enclosure, Ex tc, Category 3, Zone 2/22, gas and dust
	3142	Non-arcing, Ex nA, Category 3, Zone 2/22, gas
Further approval		
④	1	Without
	2	Ship approval German Lloyd GL
SIL 2		
⑤	Z	Without
	S	SIL 2 per IEC 61508/IEC 61511
Measuring range		
⑥	BAL	0 ... 0.1 bar
	BAM	0 ... 0.16 bar
	BAN	0 ... 0.25 bar
	BBB	0 ... 0.4 bar
	BBC	0 ... 0.6 bar
	BBD	0 ... 1 bar
	BBE	0 ... 1.6 bar
	BBF	0 ... 2.5 bar
	BBG	0 ... 4 bar
	BBH	0 ... 6 bar
	BBI	0 ... 10 bar
	BBK	0 ... 16 bar
	BBL	0 ... 25 bar
	BBM	0 ... 40 bar
	BBN	0 ... 60 bar
	BBO	0 ... 100 bar
⑥	BBP	0 ... 160 bar
	BBQ	0 ... 250 bar
	BBS	0 ... 400 bar
	BBT	0 ... 600 bar
	BBU	0 ... 1,000 bar
	BBV	0 ... 1,600 bar
	BBX	0 ... 2,500 bar
	BBZ	0 ... 4,000 bar
	BB1	0 ... 5,000 bar
	BB2	0 ... 6,000 bar
Process connection		
⑦	HSZ	G ½ B EN 837
	HAZ	G ¼ B EN 837
	HD1	G ¼ A DIN 3852-E, NBR sealing
	GT1	G ½ A DIN 3852-E, NBR sealing
	ML1	M16 x 1.5 female, with sealing cone, NBR sealing
	VZ1	9/16-18 UNF female F 250-C, NBR sealing
⑦	MP1	M20 x 1.5 female, with sealing cone, NBR sealing
	NB1	¼ NPT, NBR sealing
	ND1	½ NPT, NBR sealing
	861	G ½ B flush diaphragm, NBR sealing
⑦	851	G 1 B flush diaphragm, NBR sealing
Accuracy		
⑧	G	0.5 % of span
	K	0.25 % of span
Electrical connection		
⑨	A4ZZZ	Angular connector DIN 175301-803 A (Code AVZZZ with ship approval GL)
	M2ZZZ	Circular connector M12 x 1, 4-pin
	DPAM2	Cable outlet, IP 67, PUR, 2 m
	XPAM2	Cable outlet, IP 68 cable gland, PUR, 2 m
⑨	DCBM5	Cable outlet, IP 68, FEP, 5 m
	B4ZZZ	Circular connector, M16 x 0.75, 5-pin
⑨	FHZZZ	Field case, cable gland brass nickel-plated, with spring clip terminal
Media temperature		
⑩	U	-20 ... +80 °C (standard)
	7	-15 ... +70 °C (with ignition protection type Ex nA and Ex tc)
	8	-40 ... +150 °C
	9	-40 ... +200 °C

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

Pressure transmitter, explosionproof, models E-10, E-11

Applications

- Wellhead monitoring
- Refining and Petrochemical
- Offshore platforms and pipelines
- Gas compressors

Special features

- CSA and FM approved as “explosionproof” for class I, div. 1 hazardous areas
- ATEX-approved as “flameproof enclosure” for II 2 G Ex d II C
- Current or voltage output
- Designed for harsh ambient conditions
- Low-power version available as an option



Order numbers			
Accuracy		0.5 % of span	
Electrical connection		½ NPT male conduit with 2 m cable outlet, factory sealed	½ NPT male conduit with 10 ft cable outlet
Output signal		4 ... 20 mA, 2-wire	1 ... 5 V Low power
Approvals		ATEX	FM
Process connection		G ½ B	½ NPT
Measuring range	0 ... 10 bar	14102918	on request
	0 ... 16 bar	14003412	on request
	0 ... 25 bar	13337778	on request
	0 ... 100 bar	13337701	on request
	0 ... 250 bar	13318403	on request
	0 ... 400 bar	13219881	on request
	0 ... 1,000 psi	on request	14104129
	0 ... 1,500 psi	on request	14104130
	0 ... 2,000 psi	on request	14104131
	0 ... 3,000 psi	on request	14104133
	0 ... 5,000 psi	on request	14104134
	0 ... 10,000 psi	on request	14104135

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet PE 81.27)

Field no.	Code	Version
Pressure connection		
①	0	Standard
	1	Flush diaphragm
Output signal		
②	A	4 ... 20 mA, 2-wire
	F	0 ... 10 V, 3-wire
	G	0 ... 5 V, 3-wire
	K	1 ... 5 V, 3-wire
	1	0.5 ... 4.5 V, 3-wire
Measuring range		
③	BBC	0 ... 0.6 bar
	BBK	0 ... 10 bar
	BBL	0 ... 25 bar
	BBM	0 ... 40 bar
	BBN	0 ... 60 bar
	BBO	0 ... 100 bar
	BBP	0 ... 160 bar
	BBQ	0 ... 250 bar
	BBS	0 ... 400 bar
	BBT	0 ... 600 bar
	BBU	0 ... 1,000 bar
	PCN	0 ... 5 psi
	PDI	0 ... 500 psi
	PBL	0 ... 600 psi
	PDJ	0 ... 750 psi
	PBN	0 ... 1,000 psi
	PBP	0 ... 2,000 psi
	PBQ	0 ... 3,000 psi
	PBS	0 ... 5,000 psi
	PDS	0 ... 8,000 psi
	PBT	0 ... 10,000 psi
	PBU	0 ... 15,000 psi
Process connection		
④	NB	¼ NPT
	ND	½ NPT
	NP	¼ NPT female
	GB	G ¼ B
	GD	G ½ B
	HD	G ¼ A DIN 3852-E
	NH	⅜ NPT
	TB	G ¼ female
Electrical connection		
⑤	DX	½ NPT male conduit with cable outlet, factory sealed (not possible with FM approval)
	2X	½ NPT male conduit with cable outlet (not possible with ATEX approval)
	3X	½ NPT male conduit with open wires
Cable length		
⑥	6	6 ft
	B	2 m
	G	5 m
	1	10 ft
	2	20 ft
	3	30 ft
Approval		
⑦	4	Flameproof, II 2 G Ex d IIC per ATEX
	7	Explosion proof, Class I, II, III Div. 1 per FM and CSA

Order code: E-1 ① - ② - ③ - ④ - Z G ⑤ ⑥ ⑦ - ZZ

Electronic pressure switch with display, models PSD-30, PSD-31

Applications

- Machine tools
- Hydraulics and pneumatics
- Pumps and compressors
- Machine building

Special features

- Easily-readable, robust display
- Intuitive and fast setup
- Easy and flexible mounting configurations
- Configuration with IO-Link interface (optional)



Order numbers			
Process connection		G ¼ A DIN 3852-E	
Sealing		NBR	
Power supply		DC 15 ... 35 V	
Output signal		two switching outputs (PNP)	two switching outputs (PNP) + 4 ... 20 mA
Process connection		Circular connector M12 x 1 (4-pin)	Circular connector M12 x 1 (5-pin)
Pressure ranges	-1 ... 0 bar	13272994	14001048
	0... 1 bar	13233343	13350111
	0 ... 2.5 bar	13233351	14057986
	0 ... 4 bar	13233360	14057987
	0 ... 6 bar	13233386	45656851
	0 ... 10 bar	13233394	45421919
	0 ... 16 bar	13233408	13443705
	0 ... 25 bar	13233416	14057989
	0 ... 40 bar	13233432	14057992
	0 ... 60 bar	13226134	14057994
	0 ... 100 bar	13233548	45699957
	0 ... 160 bar	13233556	45699792
	0 ... 250 bar	13233564	45553173
	0 ... 400 bar	13233572	14057995
	0 ... 600 bar	13233581	14057996

Legend:
 available from stock in Germany
available after production
-- not available

Quick order code (you can find further possible variants in data sheet PE 81.67)

Field no.	Code	Version
Version		
①	0	Standard process connection
	1	G ½ B with flush diaphragm
Output signal/switching output		
②	M	2 PNP
	O	PNP + 4 ... 20 mA
	P	PNP + 0 ... 10 V
	Q	2 PNP + 4 ... 20 mA
	R	2 PNP + 0 ... 10 V
Measuring range		
③	BG310	0 ... 1 bar
	BG316	0 ... 1.6 bar
	BG325	0 ... 2.5 bar
	BG340	0 ... 4 bar
	BG360	0 ... 6 bar
	BG410	0 ... 10 bar
	BG416	0 ... 16 bar
	BG425	0 ... 25 bar
	BG440	0 ... 40 bar
	BG460	0 ... 60 bar
	BG510	0 ... 100 bar
	BG516	0 ... 160 bar
	BG525	0 ... 250 bar
	BG540	0 ... 400 bar
	BG560	0 ... 600 bar
	BV310	-1 ... 0 bar
	BV316	-1 ... +0.6 bar
	BV325	-1 ... +1.5 bar
	BV340	-1 ... +3 bar
	BV360	-1 ... +5 bar
	BV410	-1 ... +9 bar
	BV416	-1 ... +15 bar
	BV425	-1 ... +24 bar
Process connection		
④	86	G ½ B flush diaphragm
	GD	G ½ B EN 837
	GT	G ½ A DIN 3852-E
	GB	G ¼ B EN 837
	HD	G ¼ A DIN 3852-E
	TB	G ¼ female
	JS	G ¼ female (Ermeto compatible)
	ND	½ NPT
	NB	¼ NPT
Sealing		
⑤	1	NBR
	L	FPM/FKM
	C	Copper
	S	Stainless steel
Connector		
⑥	M4	Circular connector M12 x 1, 4-pin
	M5	Circular connector M12 x 1, 5-pin

Order code: PSD-3 ^① - ^② - ^③ - ^④ ^⑤ Z- ^⑥ -WW-ZZ

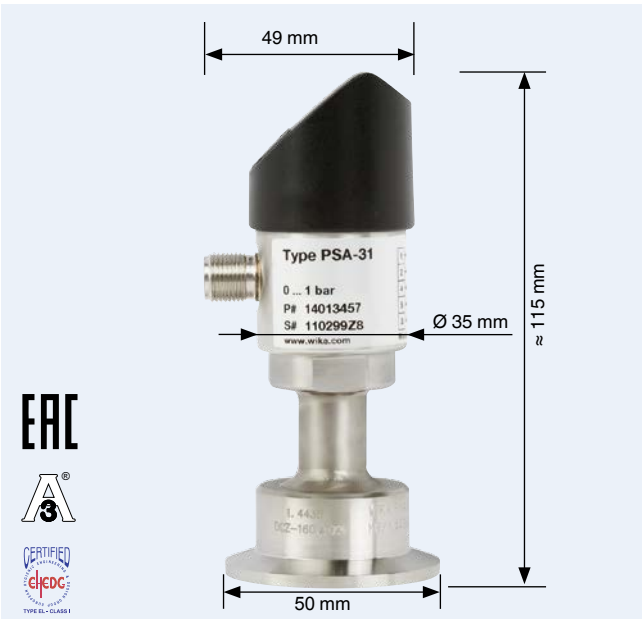
Electronic pressure switch with display for sanitary applications, model PSA-31

Applications

- Food and beverage industry
- Pharmaceutical industry
- Filling and packing machinery
- Sanitary applications

Special features

- Easily-readable, robust display
- Intuitive and fast setup
- Easy and flexible mounting configurations



PSA-31 with Tri-Clamp DN 1 1/2"

Order numbers								
Approval		3-A						
Medium temperature		-20 ... +100 °C (+135 °C max. 1h)						
Accuracy (analogue signal)		≤ ±1.0 % of span						
Power supply		DC 15 ... 35 V						
Output signal		two switching outputs (PNP) + 4 ... 20 mA						
Electrical connection		circular connector M12 x 1, 5-pin						
Process connection		Tri-clamp DN 1 1/2"	Tri-clamp DN 2"	Clamp DIN 32676 DN 32	Clamp DIN 32676 DN 40	G1, hygienic, flush, sealing: EPDM	Grooved union nut DIN 11851 DN 40	Grooved union nut DIN 11851 DN 50
Pressure range	-1 ... +1,5 bar	14086990	14086997	14087040	14087051	14086973	14087012	14087019
	-1 ... +3 bar	45686335	14086999	14087041	14087053	14086975	14087013	14087020
	-1 ... +5 bar	14086991	14087001	14044883	14087054	14086979	14019816	14087023
	-1 ... +9 bar	47286121	45709407	14048150	14087055	14086982	43753329	71100768
	-1 ... +15 bar	14086992	14087004	14087042	14087056	14086983	14087014	14087025
	0 ... 1 bar	14041474	14081683	14013457	14013458	14037409	14013455	14013449
	0 ... 1.6 bar	14086984	14086994	14087026	14087044	45719526	14087008	30459346
	0 ... 2.5 bar	57271143	14081689	14087028	14087045	14086968	14081636	14081665
	0 ... 4 bar	14086985	14081697	14087029	14087046	14086969	14053046	14081670
	0 ... 6 bar	14047936	14081700	14087030	14087047	14061123	30527490	14081673
	0 ... 10 bar	46691812	14081701	14061581	14087048	57233888	14081639	14081677
	0 ... 16 bar	45698798	14086996	14070386	14087049	14086971	14041354	14087018

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet PE 81.85)

Field no.	Code	Version
Output signal/switching output		
①	Q	2 PNP + 4 ... 20 mA
Measuring range		
②	BG310	0 ... 1 bar
	BG316	0 ... 1.6 bar
	BG325	0 ... 2.5 bar
	BG340	0 ... 4 bar
	BG360	0 ... 6 bar
	BG410	0 ... 10 bar
	BG416	0 ... 16 bar
	BG425	0 ... 25 bar
	BV310	-1 ... 0 bar
	BV325	-1 ... +1.5 bar
	BV340	-1 ... +3 bar
	BV360	-1 ... +5 bar
	BV410	-1 ... +9 bar
	BV416	-1 ... +15 bar
	BV425	-1 ... +24 bar
Process connection		
③	8EB	Hygienic, G 1, flush, sealing: EPDM
	8EN	Hygienic, G 1, flush, sealing: FPM/FKM
	SDZ	Grooved union nut DIN 11851 DN 40
	SEZ	Grooved union nut DIN 11851 DN 50
	96Z	Clamp DIN 32676 DN 32
	97Z	Clamp DIN 32676 DN 40
	98Z	Clamp DIN 32676 DN 50
	RTZ	Tri-clamp DN 1 ½"
	SAZ	Tri-clamp DN 2"
Connector		
④	M5	Circular connector M12 x 1, 5-pin

Order code: **PSA-31-** ① **Q** - ② - ③ - ④ **M5** -W3-ZZ

Submersible pressure transmitter for level measurement, model LS-10

Applications

- Level measurement in rivers and lakes
- Level measurement in vessel and storage systems
- Control of sewage lift and pumping stations
- Monitoring of sewage, settling and stormwater retention basins

Special features

- Robust
- Reliable
- Economical



Order numbers					
Output signal		4 ... 20 mA, 2-wire			
Accuracy		0.5 % of span			
Process connection		G ½ B			
Ingress protection		IP 68			
Power supply		DC 10 ... 30 V			
Wetted parts		stainless steel, PUR, PA			
Immersion depth		up to 100 m			
Medium temperature		-10 ... +50 °C			
Measuring range/ cable length	0 ... 0.25 bar	3 m		7223736	
	0 ... 0.4 bar	5 m		7121532	
	0 ... 0.6 bar	10 m		7393882	
	0 ... 1 bar	15 m		7116965	
	0 ... 2.5 mH ₂ O	5 m		7253236	
	0 ... 4 mH ₂ O	10 m		7253261	
	0 ... 6 mH ₂ O	10 m		7855932	
	0 ... 10 mH ₂ O	15 m		7300871	
	0 ... 100 inWC	20 ft		12843726	
	0 ... 5 psi	30 ft		14078711	
	0 ... 10 psi	40 ft		14078712	
	0 ... 15 psi	50 ft		14020898	

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet PE 81.55)

Field no.	Code	Version
Measuring range		
①	BAN	0 ... 0.25 bar
	BBB	0 ... 0.4 bar
	BBC	0 ... 0.6 bar
	BBD	0 ... 1 bar
	BBE	0 ... 1.6 bar
	BBF	0 ... 2.5 bar
	BBG	0 ... 4 bar
	BBH	0 ... 6 bar
	BBI	0 ... 10 bar
	YAN	0 ... 2.5 mH ₂ O
	YBB	0 ... 4 mH ₂ O
	YBC	0 ... 6 mH ₂ O
	YBD	0 ... 10 mH ₂ O
	YBE	0 ... 16 mH ₂ O
	YBF	0 ... 25 mH ₂ O
	YBG	0 ... 40 mH ₂ O
	YBH	0 ... 60 mH ₂ O
	YBI	0 ... 100 mH ₂ O
	NGU	0 ... 100 inWC
	NGV	0 ... 150 inWC
	NGW	0 ... 250 inWC
	NGX	0 ... 400 inWC
	PCN	0 ... 5 psi
	PCP	0 ... 10 psi
	PBC	0 ... 15 psi
	PCQ	0 ... 25 psi
	PDA	0 ... 50 psi
	PBF	0 ... 100 psi
	PBG	0 ... 160 psi
Cable length		
②	C	1.5 m
	E	3 m
	G	5 m
	I	10 m
	K	15 m
	L	20 m
	M	25 m
	N	30 m
	P	40 m
	Q	50 m
	R	60 m
	S	80 m
	T	100 m
	U	200 m
	Y	5 ft
	1	10 ft
	2	20 ft
	3	30 ft
	4	40 ft
	5	50 ft

Order code: LS-10 - A - ^① - GD - ^② - ZZZ

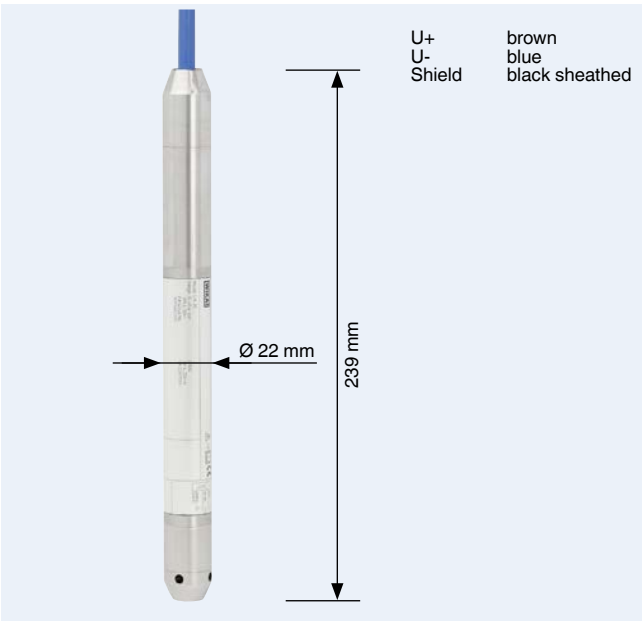
High-performance submersible pressure transmitter for level measurement, model LH-20

Applications

- Deep well and borehole measurements
- Groundwater monitoring
- Level measurement in open bodies of water
- Sewage lift and pumping stations
- Settling ponds and rainwater basins

Special features

- Slender design
- Adjustable turndown (option)
- Resistant against the harshest environmental conditions
- Reliable and secure by double-sealed design
- Titanium case for especially high resistance (option)



Order numbers						
Output signal			4 ... 20 mA, 2-wire			
Accuracy			0.2 % of span			
Process connection			M14 x 1 female with protection cap			
Ingress protection			IP 68			
Lightning protection			integrated			
Sealing sensor			double FKM (VP2/A)			
Medium temperature			-40 ... 80 °C	-40 ... 60 °C	-40 ... 80 °C	
Material			stainless steel PUR cable	stainless steel PE cable	titanium FEP cable	
Measuring range/ cable length	0 ... 0.1 bar	3 m	14055958	14055974	14055977	
	0 ... 0.16 bar	3 m	14055992	14055996	14055999	
	0 ... 0.25 bar	5 m	14056002	14056003	14056005	
	0 ... 0.4 bar	7 m	14056043	14056044	14056047	
	0 ... 0.6 bar	10 m	14056255	14056258	14056259	
	0 ... 1.0 bar	15 m	14056263	14056265	14056266	

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet PE 81.56)

Field no.	Code	Version
Measuring range		
①	BG210	0 ... 0.1 bar
	BG216	0 ... 0.16 bar
	BG225	0 ... 0.25 bar
	BG240	0 ... 0.4 bar
	BG260	0 ... 0.6 bar
	BG310	0 ... 1 bar
	BG316	0 ... 1.6 bar
	BG325	0 ... 2.5 bar
	BG340	0 ... 4 bar
	BG360	0 ... 6 bar
	BG410	0 ... 10 bar
	BG416	0 ... 16 bar
	BG425	0 ... 25 bar
	YG198	0 ... 1 mH ₂ O
	YG216	0 ... 1.6 mH ₂ O
	YG225	0 ... 2.5 mH ₂ O
	YG239	0 ... 4 mH ₂ O
	YG259	0 ... 6 mH ₂ O
	YG298	0 ... 10 mH ₂ O
	YG316	0 ... 16 mH ₂ O
	YG325	0 ... 25 mH ₂ O
	YG339	0 ... 40 mH ₂ O
	YG359	0 ... 60 mH ₂ O
	YG398	0 ... 100 mH ₂ O
	YG416	0 ... 160 mH ₂ O
	YG425	0 ... 250 mH ₂ O
	NG212	0 ... 50 inWC
	NG225	0 ... 100 inWC
	NG237	0 ... 150 inWC
	NG262	0 ... 250 inWC
	PG234	0 ... 5 psi
	PG269	0 ... 10 psi
	PG310	0 ... 15 psi
	PG317	0 ... 25 psi
	PG335	0 ... 50 psi
	PG369	0 ... 100 psi
	PG411	0 ... 160 psi
	PG414	0 ... 200 psi
	PG421	0 ... 300 psi
Cable material		
②	A	PUR
	B	FEP
	C	PE
Unit		
③	M	Meter
	F	Feet
Cable length in m, ft		
④	xxxx	e.g. 0005
Output signal		
⑤	A	4 ... 20 mA
	R	4 ... 20 mA + HART + Pt100
Accuracy		
⑥	M	0.2 % of span
	P	0.1 % of span
Case material		
⑦	S	Stainless steel
	T	Titanium (not available with Ex approvals)
Intrinsic safety		
⑧	ZZZZ	Without
	AEGA	ATEX
	IEGB	IECEX
	CISG	CSA
Ship approval		
⑨	Z	Without
	G	GL
Process connection		
⑩	LS	M14 x 1 female with protection cap
	LT	Flush diaphragm

Order code: LH-20-^① - ^② - ^③ - ^④ - ^⑤ - ^⑥ - ^⑦ - ^⑧ ^⑨ Z-Z-^⑩ K-Z

Digital pressure gauge for industrial applications, model DG-10

Applications

- Machine building
- Hydraulics and pneumatics
- Pumps and compressors
- Service tasks

Special features

- Measuring ranges from 0 ... 2 to 0 ... 600 bar
- Accuracy 0.5 % ± 1 digit
- Battery operation (2 x 1.5 V AA cell)
- Option: rotatable instrument head, backlighting and 4 1/2-digit indicator (model DG-10-E)



Order numbers					
Model		DG-10-S		DG-10-E	
Pressure connection		G ¼ B EN 837	G ½ B EN 837	G ¼ B EN 837	G ½ B EN 837
Measuring range	0 ... 2 bar	12791769	12693805	12896846	12716490
	0 ... 5 bar	12784801	12731161	13094263	13069234
	0 ... 10 bar	12693562	12699676	12915832	12785190
	0 ... 20 bar	12784789	12691063	12830969	12793176
	0 ... 50 bar	12690474	12739945	12938310	12801497
	0 ... 100 bar	12731936	12726983	13263341	12719120
	0 ... 160 bar	12724786	12717569	14037011	12717542
	0 ... 250 bar	12728234	13042807	12851206	12784126
	0 ... 400 bar	12728137	12760839	12989992	12681114
	0 ... 600 bar	12763323	12699943	12861538	12811327

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further variants in data sheet PE 81.66)

Field no.	Code	Version
Version		
①	S	Standard
	E	Enhanced (e.g. rotatable case, backlighting, automatic power-off, tare-function, password protection and others)
Indicator		
②	8	LCD, 4-digit, from 1999 ... 9999 (version S - standard)
	C	LCD, 4 ½-digit from -1999 ... 19999 + 2nd display (only possible with version E - enhanced)
Measuring range		
③	BG320	0 ... 2 bar
	BG350	0 ... 5 bar
	BG410	0 ... 10 bar
	BG420	0 ... 20 bar
	BG450	0 ... 50 bar
	BG510	0 ... 100 bar
	BG516	0 ... 160 bar
	BG525	0 ... 250 bar
	BG540	0 ... 400 bar
	BG560	0 ... 600 bar
Process connection		
④	GD	G ½ B EN 837
	GB	G ¼ B EN 837
	ND	½ NPT
	NB	¼ NPT
	HD	G ¼ A DIN 3852-E (delivered with NBR sealing as standard)
Material of wetted parts		
⑤	K	Stainless steel, ceramic and sealing (measuring range < 100 bar)
	Q	Stainless steel (measuring range ≥ 100 bar)
Media temperature		
⑥	D	-30 ... +85 °C (measuring range < 100 bar)
	A	-30 ... +100 °C (measuring range ≥ 100 bar)
Sealing		
⑦	Z	Without (measuring range ≥ 100 bar)
	1	NBR (measuring range < 100 bar)
Protection cap		
⑧	Z	Without
	S	Rubber protection cap

Order code: DG-10- ^① -D1 ^② - ^③ - ^④ ^⑤ ^⑥ ^⑦ -ZZZ- ^⑧ Z

OEM pressure transmitter for mobile hydraulics, model MH-2

Applications

- Load monitoring
- Load moment limitation
- Hydraulic drive control

Special features

- For extreme operating conditions
- Compact and robust design



Order numbers							
Accuracy		≤ ±1 % of span					
Vibration resistance		20 g (per IEC 60068-2-6, under resonance)					
Shock resistance		500 g (per IEC 60068-2-27, mechanical)					
Measuring temperature		-40 ... +125 °C					
Process connection		G ¼ A DIN 3852-E					
Output signal		4 ... 20 mA, 2-wire			0.5 ... 4.5 V, ratiometric, 3-wire		
Electrical connection		Deutsch DT04-3P	M12 x 1	AMP Superseal	Deutsch DT04-3P	M12 x 1	AMP Superseal
Measuring range	0 ... 60 bar	14121814	14121839	14121875	14121035	14121887	14121898
	0 ... 250 bar	14121819	30719046	14121877	14121883	14121889	14121901
	0 ... 400 bar	14121821	14121873	14121878	14121884	14121891	14121902
	0 ... 600 bar	14121822	14121874	14121881	14121885	14121894	14121903

Legend: available from stock in Germany available after production -- not available

Minimum lot size 50 pcs.

Quick order code (you can find further possible variants in data sheet PE 81.37)

Field no.	Code	Version
Output signal		
①	A	4 ... 20 mA, 2-wire
	K	1 ... 5 V, 3-wire
	F	0 ... 10 V, 3-wire
	W	0.5 ... 4.5 V, ratiometric, 3-wire
	L	1 ... 6 V, 3-wire
Measuring range		
②	BBH	0 ... 6 bar
	BBI	0 ... 10 bar
	BBK	0 ... 16 bar
	BBL	0 ... 25 bar
	BBM	0 ... 40 bar
	BBN	0 ... 60 bar
	BBO	0 ... 100 bar
	BBP	0 ... 160 bar
	BBQ	0 ... 250 bar
	BBS	0 ... 400 bar
	BBT	0 ... 600 bar
Process connection		
③	HD	G ¼ A DIN 3852-E
	GB	G ¼ B
	NB	¼ NPT
	HN	M14 x 1.5 DIN 3852-E
	UA	7/16-20 UNF-2A SAE J514 Fig.34B
	MV	7/16-20 UNF-2A O-ring BOSS from FKM
Electrical connection		
④	M4Z	Circular connector M12 x 1, 4-pin
	R3Z	Metri-Pack series 150, 3-pin
	V4Z	Bayonet connector DIN 72585, 4-pin
	S3Z	AMP Superseal 1.5, 3-pin
	G3Z	Deutsch DT04-3P, 3-pin
	AQZ	AMP Micro Quadlok, 3-pin (only possible for pressure ranges ≥ 60 bar)
	FNB	Cable outlet, IP 69K, 2 m
	FNG	Cable outlet, IP 69K, 5 m

Minimum lot size 50 pcs.

Order code: MH-2 - ^① - ^② - ^③ - MZ ^④ - ZZZ

Pressure transmitter for air-conditioning applications, model AC-1

Applications

- Air conditioners
- Heat pumps
- Refrigeration units

Special features

- Resistant against the major refrigerants
- Special case design for the best possible condensation tightness



Order numbers

Accuracy		≤ 2 % of span				
Medium temperature		-40 ... +100 °C				
Output signal		4 ... 20 mA, 2-wire				
Power supply		DC 7 ... 30 V				
Process connection		7/16-20 UNF-2B Schrader female			7/16-20 UNF-2A taper 90°	
Electrical connection		Cable outlet 2 m	Cable outlet 5 m	M12 x 1	Cable outlet 2 m	M12 x 1
Measuring range	-1 ... +9 bar	14118449	14118451	14060779	14118477	14118482
	0 ... 10 bar	14118452	14112811	14022972	36145912	13174615
	0 ... 15 bar	14118453	14011452	14088720	14118476	14118485
	0 ... 25 bar	14118455	14118457	14060778	14080752	14118492
	0 ... 30 bar	13439473	14011453	14107652	14017079	14049979
	0 ... 45 bar	14118458	14013328	14118459	14118478	14118493
	0 ... 50 bar	14118460	14118461	46374779	14118480	14049980

Legend: available from stock in Germany available after production -- not available

Minimum lot size 50 pcs.

Quick order code (you can find further possible variants in data sheet PE 81.46)

Field no.	Code	Version
Measuring range		
①	V380	-1 ... +7 bar
	V410	-1 ... +9 bar
	V411	-1 ... +10 bar
	V415	-1 ... +15 bar
	V421	-1 ... +20 bar
	V426	-1 ... +25 bar
	V430	-1 ... +29 bar
	V446	-1 ... +45 bar
	V375	-0.5 ... +7 bar
	V399	-0.5 ... +10 bar
	G360	0 ... 6 bar
	G410	0 ... 10 bar
	G415	0 ... 15 bar
	G416	0 ... 16 bar
	G420	0 ... 20 bar
	G425	0 ... 25 bar
	G430	0 ... 30 bar
	G435	0 ... 35 bar
	G440	0 ... 40 bar
	G445	0 ... 45 bar
	G450	0 ... 50 bar
	G460	0 ... 60 bar
Process connection		
②	U6	7/16-20 UNF-2B Schrader female
	U5	7/16-20 UNF-2A taper 90°
	HA	G ¼ B EN 837
	NH	½ NPT
	NB	¼ NPT
	PE	R ¼
	RE	PT ¼ ISO7
Output signal		
③	AG	4 ... 20 mA
	FC	0 ... 10 V
	WE	0.5 ... 4.5 V ratiometric
	KA	1 ... 5 V
Electrical connection		
④	M4Z	Circular connector M12 x 1, 4-pin
	R3Z	Metri-Pack series 150, 3-pin
	FNA	Cable outlet, IP 69K, 0.5 m
	FNH	Cable outlet, IP 69K, 1 m
	FNB	Cable outlet, IP 69K, 2 m
	FNG	Cable outlet, IP 69K, 5 m
Approval		
⑤	Z	without
	R	cRUus

Minimum lot size 50 pcs.

Order code: AC-1 - A - B - C - - - Z

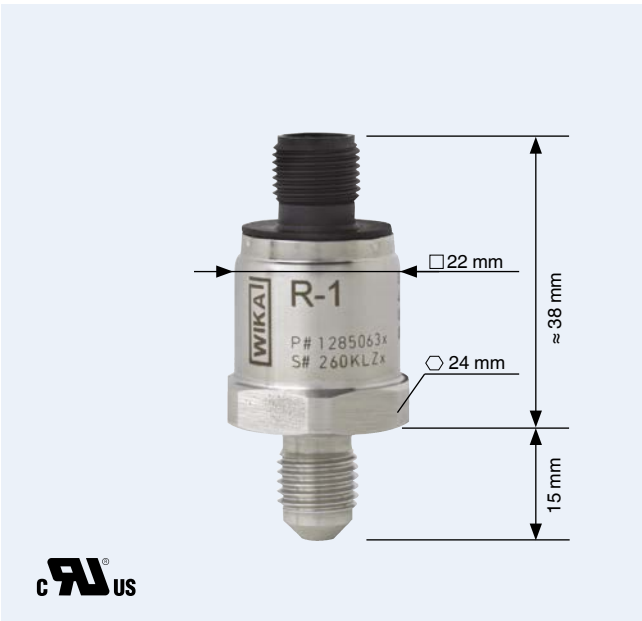
Pressure transmitter for refrigeration applications, model R-1

Applications

- Refrigeration unit
- Air conditioning

Special features

- Wetted parts from stainless steel
- Resistant to all common refrigerants
- Special case design for the best possible condensation tightness
- Private labelling possible



Order numbers			
Accuracy		≤ 2 % of span	
Medium temperature		-40 ... +100 °C	
Output signal		4 ... 20 mA, 2-wire	
Power supply		DC 7 ... 30 V	
Process connection		7/16-20 UNF 2B Schrader female	
Electrical connection		Cable outlet IP 69K, 2 m	Circular connector M12 x 1
Measuring range	-1 ... +9 bar	13441559	13139780
	0 ... 15 bar	57238561	12885267
	0 ... 20 bar	14118446	13444931
	0 ... 25 bar	13154550	12853926
	0 ... 30 bar	13441541	46243321
	0 ... 40 bar	13085949	13243561
	0 ... 45 bar	13065280	57327964
	0 ... 50 bar	14029208	46270434
	0 ... 60 bar	13141929	58199454

Legend: available from stock in Germany available after production -- not available

Minimum lot size 50 pcs.

Quick order code (you can find further possible variants in data sheet PE 81.45)

Field no.	Code	Version
Measuring range		
①	V380	-1 ... +7 bar
	V410	-1 ... +9 bar
	V411	-1 ... +10 bar
	V415	-1 ... +15 bar
	V421	-1 ... +20 bar
	V426	-1 ... +25 bar
	V430	-1 ... +29 bar
	V446	-1 ... +45 bar
	V375	-0.5 ... +7 bar
	V399	-0.5 ... +10 bar
	G360	0 ... 6 bar
	G410	0 ... 10 bar
	G415	0 ... 15 bar
	G416	0 ... 16 bar
	G420	0 ... 20 bar
	G425	0 ... 25 bar
	G430	0 ... 30 bar
	G435	0 ... 35 bar
	G440	0 ... 40 bar
	G445	0 ... 45 bar
	G450	0 ... 50 bar
	G460	0 ... 60 bar
	G510	0 ... 100 bar
	G516	0 ... 160 bar
Process connection		
②	U6	7/16-20 UNF-2B Schrader female
	U5	7/16-20 UNF-2A taper 90°
	HA	G ¼ B EN 837
	NH	½ NPT
	NB	¼ NPT
	PE	PT ¼
	RE	R ¼ ISO7
Output signal		
③	AG	4 ... 20 mA
	FC	0 ... 10 V
	WE	0.5 ... 4.5 V ratiometric
	KA	1 ... 5 V
Electrical connection		
④	M4Z	Circular connector M12 x 1, 4-pin
	R3Z	Metri-Pack series 150, 3-pin
	FNA	Cable outlet, IP 69K, 0.5 m
	FNH	Cable outlet, IP 69K, 1 m
	FNB	Cable outlet, IP 69K, 2 m
	FNG	Cable outlet, IP 69K, 5 m
Approval		
⑤	Z	without
	R	cRUus

Minimum lot size 50 pcs.

Order code: R-1 - A - B ① - ② - ③ - ④ - ⑤ Z

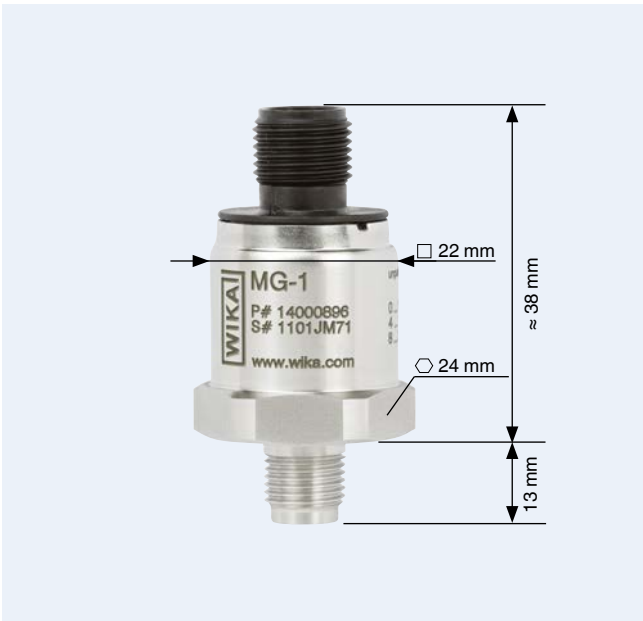
Pressure transmitter for medical gases, model MG-1

Applications

- Distribution and storage of medical gases
- Oxygen treatment for patients in hospitals, at home and in ambulances

Special features

- Measuring ranges from 0 ... 6 to 0 ... 16 bar and from 0 ... 200 to 0 ... 400 bar
- Output signals 4 ... 20 mA, DC 0 ... 10 V, DC 0 ... 5 V, DC 1 ... 5 V, DC 0.5 ... 4.5 V ratiometric
- Oxygen clean in accordance with international standards
- Available in four levels of cleanliness
- Three packaging variants



Order numbers					
Non-linearity		≤ ± 0.5 % of span (BFSL per IEC 61298-2)			
Output signal		4 ... 20 mA			
Electrical connection		Circular connector M12 x 1			
Type of packaging		Protection cap on the process connection		Protection cap on the process connection, instrument sealed in a plastic bag	
Level of cleanliness		Breathing gas (oil and grease free)		High industrial standard (oil and grease free for oxygen per ASTM G93 level C)	
Process connection		G ¼ B EN 837	7/16-20 UNF BOSS	G ¼ B EN 837	7/16-20 UNF BOSS
Measuring range	0 ... 16 bar	14118532	14118544	14118547	14118555
	0 ... 250 bar	14118531	14118543	14118550	14118556
	0 ... 400 bar	14043826	14118540	14118551	14118559

Legend: available from stock in Germany available after production -- not available

Minimum lot size 50 pcs.

Quick order code (you can find further possible variants in data sheet PE 81.44)

Field no.	Code	Version
Measuring range		
①	BV370	-1 ... +6 bar
	BG360	0 ... 6 bar
	BG410	0 ... 10 bar
	BG416	0 ... 16 bar
	BG520	0 ... 200 bar
	BG525	0 ... 250 bar
	BG530	0 ... 300 bar
	BG540	0 ... 400 bar
	PG369	0 ... 100 psi
	PG410	0 ... 150 psi
	PG414	0 ... 200 psi
	PG521	0 ... 3,000 psi
	PG528	0 ... 4,000 psi
	PG534	0 ... 5,000 psi
Process connection		
②	HPZ	G ½ B EN 837
	HAZ	G ¼ B EN 837
	HDL	G ¼ A DIN 3852-E (FKM/FPM sealing)
	NBZ	¼ NPT
	NHZ	½ NPT
	PEZ	PT ¼
	REZ	R ¼ ISO7
	MVL	7/16-20 UNF-2A SAE O-Ring Boss (FKM/FPM sealing)
Output signal		
③	AA	4 ... 20 mA
	FC	0 ... 10 V
	GA	0 ... 5 V
	KA	1 ... 5 V
	KA	0.5 ... 4.5 V
	WE	0.5 ... 4.5 V ratiometric
Electrical connection		
④	M4	Circular connector M12 x 1, 4-pin
	CU	Cable outlet, unshielded
	CS	Cable outlet, shielded
Cable length		
⑤	Z	without (please choose when electrical connection M4 - circular connector)
	A	0.5 m
	H	1 m
	B	2 m
	G	5 m
	R	1.5 ft
	S	3 ft
	6	6 ft
	7	15 ft
Level of cleanliness		
⑥	A	Breathing gas (oil and grease free)
	B	Industrial standard (oil and grease free for oxygen per ASTM G93 level D/E and DIN 19247)
	C	High industrial standard (oil and grease free for oxygen per ASTM G93 level C)
	D	Medical standard (per ISO 15001)
Type of packaging		
⑦	A	Protection cap on the process connection (please choose when level of cleanliness A - breathing gas)
	C	Protection cap on the process connection, instrument sealed in plastic bag
	B	Protection cap on the process connection, instrument sealed in two plastic bag

Minimum lot size 50 pcs.

Order code:	MG-1	- 6 -	①	-	②	2E -	③	-	④	-	⑤	-	⑥	-	⑦	- Z Z
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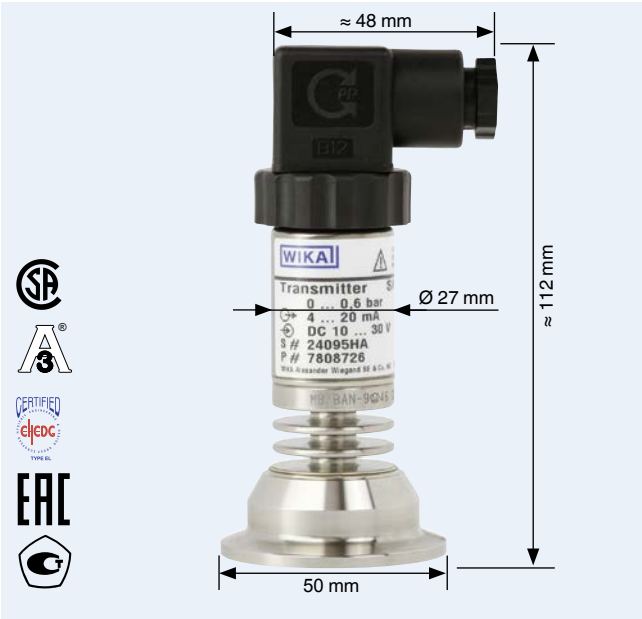
Pressure transmitter for sanitary applications, model SA-11

Applications

- For gases, compressed air, vapour, liquids, pastes and powdery media
- Ultra-pure steam systems for SIP
- Hydrostatic level measurement
- Vacuum pressure monitoring, e.g. vacuum conveyors, pump monitoring
- Food and beverage manufacturing, pharmaceutical industry, biotechnology, sanitary applications

Special features

- Wide variety of aseptic process connections, for process temperatures up to 150 °C
- Flush diaphragm with a surface roughness of Ra < 0.38 µm
- Fully welded
- Suitable for SIP and CIP
- Ingress protection up to IP 68



SA-11 with angular connector and Tri-Clamp DN 1 1/2"

Order numbers									
Non-linearity		0.5 % of span (per IEC 61298-2)							
Medium temperature		-20 ... +150 °C							
Power supply		DC 10 ... 30 V							
Output signal		4 ... 20 mA							
O-ring		without							
Electrical connection		Angular connector DIN 175301-803 A				Circular connector M12 x 1			
Process connection		Tri-Clamp DN 1 1/2"	Grooved union nut DIN 11851 DN 40	Grooved union nut DIN 11851 DN 50	VARIVENT® form F	Tri-Clamp DN 1 1/2"	Grooved union nut DIN 11851 DN 40	Grooved union nut DIN 11851 DN 50	VARIVENT® form F
Measuring range	0 ... 0.25 bar	7677894	7195587	12472809	12227544	12473643	12473562	12474089	12473856
	0 ... 0.4 bar	7002152	7558044	12472825	12227561	7332771	12473571	12474101	12473864
	0 ... 1 bar	7124809	7433006	12472868	12227588	12473651	12473619	12474127	12473872
	0 ... 2.5 bar	12026026	7328774	12160601	12227609	12473660	12474011	12474151	12473899
	0 ... 4 bar	7235864	7208557	12472922	7413438	12473678	12474020	12474160	12473902
	0 ... 6 bar	7796494	7192953	12471135	12227625	7416488	12474054	12474186	12473911
	0 ... 10 bar	7656552	7647986	7763243	12227633	12473686	12474062	12474194	12473929

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet PE 81.80)

Field no.	Code	Version
Output signal		
①	A	4 ... 20 mA
Measuring range		
②	BAN	0 ... 0.25 bar
	BBB	0 ... 0.4 bar
	BBC	0 ... 0.6 bar
	BBD	0 ... 1 bar
	BBE	0 ... 1.6 bar
	BEC	0 ... 2 bar
	BBF	0 ... 2.5 bar
	BBG	0 ... 4 bar
	BBH	0 ... 6 bar
	BBI	0 ... 10 bar
	BBK	0 ... 16 bar
	BBL	0 ... 25 bar
	BCA	-1 ... +0 bar
	BCD	-1 ... +0.6 bar
	BCE	-1 ... +1 bar
	BCI	-1 ... +2 bar
	BCH	-1 ... +3 bar
	BCJ	-1 ... +4 bar
	BCK	-1 ... +5 bar
	BCL	-1 ... +9 bar
	BCS	-1 ... +10 bar
	BCP	-1 ... +15 bar
Process connection		
③	RT	Tri-Clamp DN 1 ½"
	SA	Tri-Clamp DN 2"
	3S	VARIVENT® form N
	3R	VARIVENT® form F
	SJ	Grooved union nut DIN 11851 DN 25
	SD	Grooved union nut DIN 11851 DN 40
	SE	Grooved union nut DIN 11851 DN 50
	ST	Grooved union nut DIN 11864-1 form A DN 40 for pipes in accordance with DIN 11850 and DIN 11866 series A
	2W	NEUMO® BioConnect® DN 40 flange form V
Accuracy		
④	G	0.5 %
	K	0.25 %
Electrical connection		
⑤	A4Z	Angular connector DIN 175301-803 A
	M4Z	Circular connector M12 x 1 (4-pin)
	FHZ	Field case, cable gland brass nickel-plated, with spring clip terminal
	FCZ	Field case, cable gland stainless steel, with spring clip terminal
	EMI	Cable outlet, IP 68, 10 m
	EMC	Cable outlet, IP 68, 1.5 m
	EME	Cable outlet, IP 68, 3 m
	EMG	Cable outlet, IP 68, 5 m
	EMY	Cable outlet, IP 68, 5 ft
	EM2	Cable outlet, IP 68, 20 ft

Order code: SA-11 - ^①**A** - ^② - ^③ -A ^④ ^⑤ Z - ZZZ

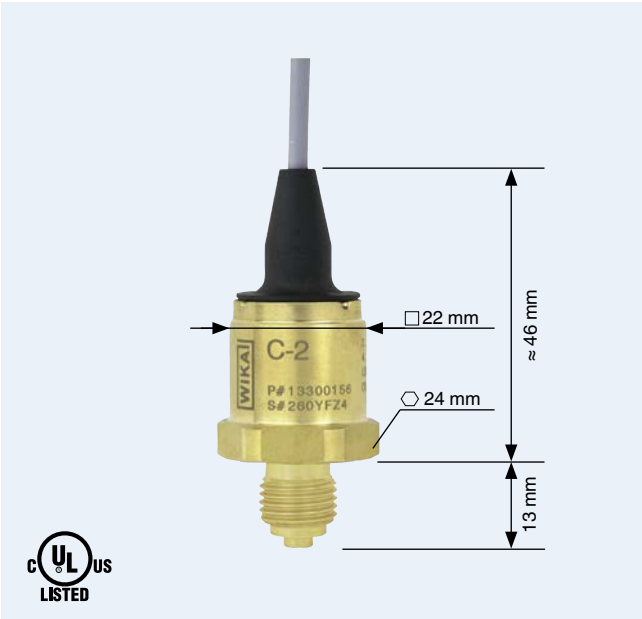
Pressure transmitter for air compressors, model C-2

Applications

- Pressure monitoring
- Pressure regulation and control
- Filter monitoring in screw-type, reciprocating and turbo compressors

Special features

- Robust design
- Compact design
- Long service life and high reliability



Order numbers							
Accuracy		≤ 2 % of span					
Medium temperature		-40 ... +100 °C					
Output signal		4 ... 20 mA, 2-wire					
Power supply		DC 7 ... 30 V					
Process connection		G ¼ B EN 837			G ¼ A DIN 3852-E		
Electrical connection		Angular connector DIN 175301-803 C	Cable outlet 2 m	Metri-Pack series 150	Angular connector DIN 175301-803 C	Cable outlet 2 m	Metri-Pack series 150
Measuring range	0 ... 10 bar	14118513	14118514	13455690	14118525	14118538	14118548
	0 ... 16 bar	14049945	63498260	14118516	14081642	44959699	13299698
	0 ... 60 bar	14059437	14022235	14118517	14118527	14118546	14118549

Legend: available from stock in Germany available after production -- not available

Minimum lot size 50 pcs.

Quick order code (you can find further possible variants in data sheet PE 81.47)

Field no.	Code	Version
Measuring range		
②	V411	-1 ... +10 bar
	V415	-1 ... +15 bar
	V421	-1 ... +20 bar
	V426	-1 ... +25 bar
	V431	-1 ... +30 bar
	V446	-1 ... +45 bar
	G360	0 ... 6 bar
	G410	0 ... 10 bar
	G412	0 ... 12 bar
	G416	0 ... 16 bar
	G418	0 ... 18 bar
	G420	0 ... 20 bar
	G425	0 ... 25 bar
	G430	0 ... 30 bar
	G435	0 ... 35 bar
	G440	0 ... 40 bar
	G445	0 ... 45 bar
	G450	0 ... 50 bar
	G460	0 ... 60 bar
Process connection		
②	HA	G ¼ B EN 837
	HD	G ¼ A DIN 3852-E
	NB	¼ NPT
	NH	½ NPT
	PE	PT ¼
	RE	PT ¼ ISO7
	HM	G ½ A DIN 3852-E
	T5	G ¼ male, G ½ female
	TA	G ½ female
Output signal		
③	AG	4 ... 20 mA
	FC	0 ... 10 V
	WE	0.5 ... 4.5 V ratiometric
	KA	1 ... 5 V
Electrical connection		
④	M4Z	Circular connector M12 x 1, 4-pin
	R3Z	Metri-Pack series 150, 3-pin
	CGZ	Angular connector DIN 175301-803 C
	FNA	Cable outlet, IP 69K, 0.5 m
	FNH	Cable outlet, IP 69K, 1 m
	FNB	Cable outlet, IP 69K, 2 m
	FNG	Cable outlet, IP 69K, 5 m
Approval		
⑤	Z	without
	W	cULus

Minimum lot size 50 pcs.

Order code: C-2 - A - B ① - ② F - ③ ④ - ⑤ Z

Accessories

Adapters and sealings



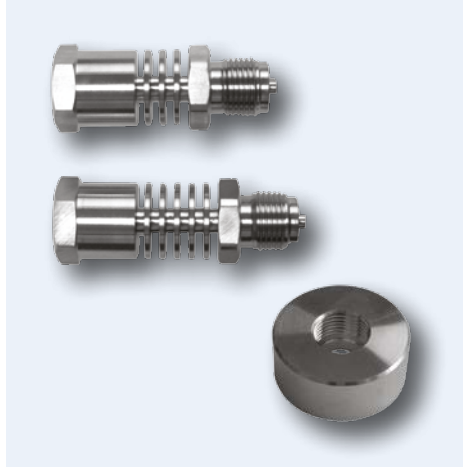
Cables



Mating connectors



Welding sockets and cooling elements



Software



Power supply units and isolated barriers



The right solution

Top technology directly from the manufacturer - Made in Germany

Metal thin film

Pressure sensors



Accuracy (% of span): $\leq 0.1 \dots 0.5$

Measuring range: 0 ... 10 to 0 ... 1,000 bar

Special feature:

- Excellent resistance to media
- Very good pressure spike and burst pressure safety

Ceramic thick film

Pressure sensors



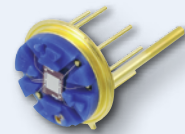
Accuracy (% of span): $\leq 0.5 \dots 0.75$

Measuring range: 0 ... 2 to 0 ... 100 bar

Special feature: Excellent resistance to media

Piezo chip

Pressure sensors



Accuracy (% of span): $\leq 0.1 \dots 0.5$

Measuring range: 0 ... 0.35 to 0 ... 20 bar

Special feature:

- Relative and absolute pressure measurement
- High output signal
- High overpressure safety

Create your perfect pressure sensor solution together with us.
Talk to us. Your challenge is our commitment.

Further WIKA product lines

- Mechatronic pressure measurement
- Mechanical pressure measurement
- Diaphragm seals
- Electrical temperature measurement
- Mechatronic temperature measurement
- Mechanical temperature measurement
- Level measurement
- Flow measurement
- Calibration technology

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The specifications given in this document represent the state of engineering at the time of publishing.

We reserve the right to make modifications to the specifications and materials.

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