

Pressure transmitter for precision measurements

06/2016

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		
	R	0.05 % of span		
Measuring range				
③	BG225	0 ... 0.25 bar	BG425	0 ... 25 bar
	BG240	0 ... 0.4 bar	BG440	0 ... 40 bar
	BG260	0 ... 0.6 bar	BG460	0 ... 60 bar
	BG310	0 ... 1 bar	BG510	0 ... 100 bar
	BG316	0 ... 1.6 bar	BG516	0 ... 160 bar
	BG325	0 ... 2.5 bar	BG525	0 ... 250 bar
	BG340	0 ... 4 bar	BG540	0 ... 400 bar
	BG360	0 ... 6 bar	BG560	0 ... 600 bar
	BG410	0 ... 10 bar	BG610	0 ... 1,000 bar (only for Model P-30 available)
	BG416	0 ... 16 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		
	9	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	Z	Standard test report		
	1	Quality certificate DIN EN 10204 (2.2 or 3.1; further details needed)		

Order code: P-3 ^① - ^② - ^③ - ^④ ZZ- ^⑤ - ^⑥ - ^⑦ Z