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Melt pressure transducer & transmitters
MPT 160 / 161 / 162 / 163 / 26x

Features :

- Measuring range 0 ÷ 2000bar, accuracy 0.5% (standard) or 0.3% and1.0% full scale;
- Output : 3.3mV/V, 0 ÷ 5V, 0 ÷ 10V, 4 ÷ 20mA, option CANbus;
- Amplified output signal available in 4~20 mA or 0~5, 0~10 Vdc, internal shunt calibration signal of 80%fso;
- Stainless steel construction, hastelloy-C diaphragm (MPT 160) and stainless steel (MPT 161/162/163);

Available types:

- MPT 160: pressure transducer wetted parts;
- MPT 161: pressure and temperature (thermocouple J, K, E and Pt100, or other request) transducer wetted parts;
- MPT 162: pressure transducer with flexible extension stem;
- MPT 163: pressure and temperature (J,K,E and Pt100, or other request) transducer with flexible extension stem;
- MPT 26x: series feature a pressure manometer mounted on the top of MPT16X-series products, accuracy 1.5%;

Technical specifications :

Range	0/10, 0/20, 0/35, 0/50, 0/70, 0/100, 0/200, 0/350, 0/500, 0/700, 0/1000, 0/1400, 0/2000bar
Accuracy	0.3%, 0.5% (standard) and 1.0% full scale
Output	3.3mV/V, 0 ÷ 5V, 0 ÷ 10V, 4 ÷ 20mA
Power supply	10(8÷12)Vdc for 3.3mV/V 24(12÷36)Vdc for 0 ÷ 5V, 0 ÷ 10V, 4 ÷ 20mA
Overload pressure	150% f.s. (max. 2100bar)
Adjust Zero/Span	±10% / ±6% f.s.
Output resistance	350Ω ± 10%
Isolation resistance	≥ 500 / 1000 MΩ @ 100Vdc
Operating condition	Max. 400℃ operating, 0-80℃ co mpensation
Process connection	1/2"-20 UNF-2A (standard), M14x1.5, M18x1.5
Electrical connector	6-pin (standard) male tighten, 8-pin male screw

Order code: MPT -□□□-□□□□-□-□□□-□-□-□

Type	160	Type MPT 160		
	161	Type MPT 161		
	162	Type MPT 162		
	163	Type MPT 163		
	26x	Type MPT 16x, x = 0, 1, 2, 3		
Range	xxxx	See table “technical specifications”, eg.10 → 0-10 bar		
Output	A	3.33mV/V		
	B	0-5V, 4 wire		
	C	0-10V, 4 wire		
	D	4-20mA, 2 wire		
Accuracy	I	± 0.3% f.s.		
	II	± 0.5% f.s. (standard)		
	III	± 1.0% f.s.		
Process connection	M	1/2"-20 UNF-2A (standard)		
	N	M14 x 1.5		
	O	M18 x 1.5		
Length stem	a	76 mm		
	b	102 mm		
	c	152 mm (standard)		
	d	228 mm		
	e	305 mm		
	f	Other request		
Electrical connection	X	Connector 6-pin male (standard)		
	Y	Connector 8-pin male		
	Z	Other request		

Option:
1.MPT with CANbus output is available on request.
2.The 6-core (for 3.33mV/V, 0~5 V or 0~10 V output) or 4-core (for 4~20 mA output), shield VPC cable of 5 meter length, with a 6-hole or 8-hole mating socket connected, only request.
3.The 2-core temperature compensation cable of 5 meter length with a 2-hole mating socket connected, only request.