




51 series standard pressure transmitter

GPT-51...

- Compact, rugged construction for highest operational reliability
- No media egress when exceeding rupture pressure (patent technology)
- Negligible temperature influence on accuracy
- Excellent EMC capacity
- Suitable for industrial applications
- Certified :   
- Connector : page 19
- Accessories : page 19
- dimensional drawing : page 20
- Wiring diagram : page 21
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Pressure transmitter type ⁽¹⁾		GPT-512-01VB-...	GPT-518-01VB-...
Medium		Liquids and gases	
Pressure range		-1 ... 0 bar , Relative ⁽²⁾	
Max. allowable pressure		3 bar	
Power supply	4...20 mA Current output	8 ... 33 VDC	
	0...10 V Voltage output	11.4 ... 33 VDC	
Temperature		-1 ... 250 bar : -15 ... +125 °C	
Protection class		IP67	
Materials in contact with the medium	Pressure connection	Stainless steel 1.4305 / AISI 303	
	Sensor	Ceramic Al ₂ O ₃	
	Sealing material	FPM (-1 ... 60 bar)	
Operation Current	2-wire 4...20 mA current output	< 20 mA	
	3-wire 0...10 V voltage output	< 4 mA	
Load resistance	4...20 mA current output	< 1 kΩ	
	0...10 V voltage output	>10 kΩ / < 100 nF	
Response time		< 2 ms	
Electrical protection		Short circuit proof and protected against polarity reversal. Each connection is protected against crossover up to max. supply voltage.	
TC	TC zero point	≤ ± 0.15 % fs /10 K	
	TC sensitivity	≤ ± 0.15 % fs /10 K	
Total of linearity hysteresis and repeatability		≤ ± 0.3 % fs	
Tolerance zero point		≤ ± 0.3 % fs	
Tolerance full scale		≤ ± 0.3 % fs	
Shock		100 g, 11 ms half sine wave, acc. IEC 60068-2-27	
Vibration		20 g, 2 ... 2000 Hz with amplitude μ 15 mm, acc. IEC 60068-2-6	
Electrical connection ⁽³⁾		Connector M12x1 metal thread	
Pressure connection ⁽⁴⁾		G1/4" Inside thread, with O-Ring seal	G1/4" Outside thread, DIN 3852
Output—Type, ID No.	2-wire 4...20 mA current output	GPT-512-01VB-9 , A5100100	GPT-518-01VB-9 , A5700100
	3-wire 0...10 V voltage output	GPT-512-01VB-A , A5100101	GPT-518-01VB-A , A5700101

(1) Other types please see "type selection guide" or ask relative PM

(2) Absolute pressure measuring range can be selected from: 0 ... 1/1.6/2.5/4/6/10/16/25 bar

(3) Other types with different electric connection please see dimension drawing and ask relative PM at the same time

(4) Other types with different pressure connection please see dimension drawing and ask relative PM at the same time