

Precision Digital Pressure Gauge

Model MG600

Nominal size: 100 mm (4")

Accuracy: Upto Class 0.025 (0.025%)

Temperature compensated -10 to 50 °C

Features

- Temperature compensated
- Zero and Span Calibration
- Backlight
- 10 Engineering Units
- Data logging
- Analog & Digital Outputs

Ranges

-15 ... 0 psi upto 0 ... 70,000 psi

-1 ... 0 bar upto 0 ... 5000 bar

-100 ... 0 kPa upto 0 ... 500 MPa

Applications

Calibration laboratories

Test benches

Maintenance and repair shop

Process Automation



Technical specification	MG600	
Nominal size	100 mm	
Type	Range	Accuracy*
Gauge	160 mbar to 1500 bar	0.025 % FS
	1600 bar to 2500 bar	0.050 % FS
	4000 bar to 5000 bar	0.1 % FS
Absolute	1 bara to 70 bara	0.05% FS
Compound	-1/0 bar to -1/35 bar	0.05% FS
*Accuracy Including Linearity, Hysteresis, Repeatability errors from -10 to 50 C		
Overpressure limit	150% upto 1000 bar, 100% for higher ranges	
Burst Pressure	≤ 70 bar : 500% ≤ 400 bar : 300% ≤ 1000 bar : 200%	
	≤ 1500 bar : 150% ≤ 5000 bar : 120%	
Process Units	kPa, MPa, Kg/Cm2, psi, mbar, bar, inHg, inH2O, mmH2O, mmHg	
Connection location	Lower	
Process Connection	1/4 NPT(M), G1/4 (M), 9/16 UNF (F)	
Display		
Type	LCD, 5 Digit	
Backlight	On/Off, Automatic Off function	
Update rate	1,2,5,7 times per second (10 times in Peak function)	
Material		
Case	Die Cast Aluminum	
Sensor and Socket	SS 316	
Power	3 AA Alkaline Battery (1000 hours) Optional 12 to 24 VDC	
Output		
Digital	RS232	
Analog	1/5 VDC, Optional 0/5 VDC, 0/10 VDC, 4/20 mA external power source required	
Permissible		
Ambient temperature	-20 ... 70 °C	
Medium temperature	-20 ... 70 °C	
Storage temperature	-30 ... 80 °C	
Compensated temperature	-10 ... 50 °C	
Certification	10-point calibration certificate default, optional NABL certificate	
Weight	530g	
Accessories	Adapters, Power Adapter, Analog output cables, etc.	
Options	Bracket for panel mounting	

Order information

Size	Type	System Material	Execution	Process connection	Connection orientation	Range		Output	Options
(100) 100mm	MG600	(S) SS316	(=) Standard	(02) 1/4" NPT(M) ¹⁾ (MG9) G 1/4(M) ²⁾ (09) 9/16 UNF(F) ³⁾	(L) Lower	mbar 0/ 160 0/ 250 0/ 400 0/ 600 bar -1/ 0 -1/ 1 -1/ 3 -1/ 5 -1/ 9 -1/ 15 -1/ 24 -1/ 30 -1/ 35 barA 0/ 1 0/ 1.6 0/ 2.5 0/ 4 0/ 6 0/ 10 0/ 16 0/ 25 0/ 30 0/ 40 0/ 60 0/ 70	bar 0/ 1 0/ 1.6 0/ 2.5 0/ 4 0/ 6 0/ 10 0/ 16 0/ 25 0/ 30 0/ 40 0/ 60 0/ 100 0/ 160 0/ 250 0/ 300 0/ 400 0/ 600 0/ 700 0/ 1000 0/ 1500 0/ 1600 0/ 2500 0/ 4000 0/ 5000 units selectable	(15) 1/5 VDC (42) 4-20 mA (05) 0-5 VDC (10) 0-10 VDC RS232 is default for all analog output External power source is required for output	(PA1) Power Adapter (PA3) Power + Analog O/P + RS232 adapter (CN10) 10 point NABL calibration certificate

1) Maximum pressure 700 bar 2) maximum pressure 400 bar 3) for ranges 1000 bar and above

How to order

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering unit	Output	Option
100	MG600	S	L	02	L	0/100	BAR	15	NH

Powertech Industries

hemal@powertechin.com - massgauges@gmail.com
www.powertechin.com