

Precision Digital Pressure Gauge

Model MG301

Nominal size: 100 mm (4")

Accuracy: Class 0.25 (0.25%)

Features

- 5 Digit Large LCD Display
- Bright Backlight
- 14 Standard Engineering Units
- Protection IP65
- SS316L Wetted Parts

Ranges

100 mbar to 1000 bar in Gauge, Vacuum & Compound

Applications

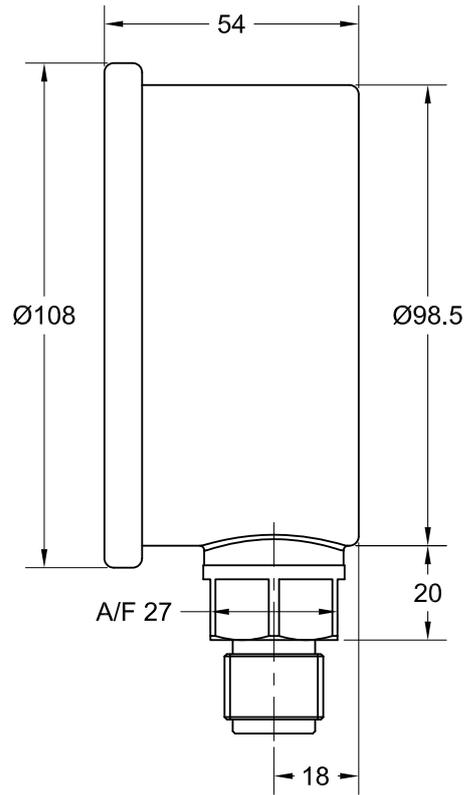
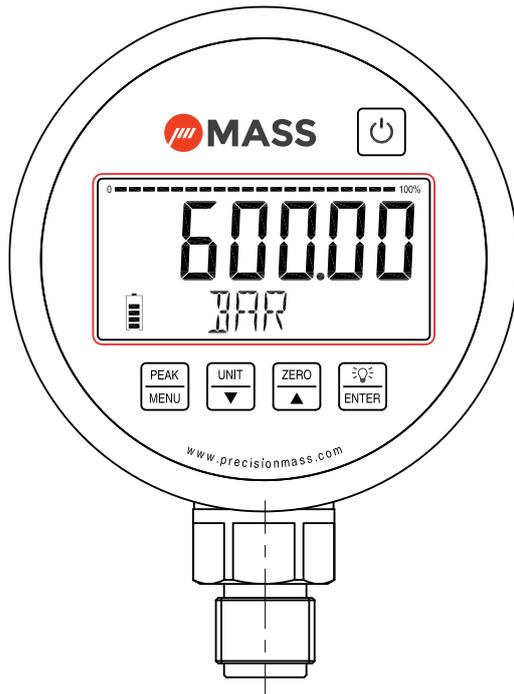
Calibration laboratories

Test benches

Process Automation

Technical specification	MG301
Nominal size	100 mm
Measuring Principle	Piezo resistive Sensors
Accuracy	0.25 % F.S. (Accuracy Including Linearity, Hysteresis, Repeatability errors)
Range in bar	See table on page 2
Overpressure limit	110% of scale, Max 1100 bar
Units	bar, mbar, kg/cm ² , psi, Pa, kPa, MPa, mmH ₂ O, mH ₂ O, inH ₂ O (60F), ftH ₂ O, mmHg, cmHg, inHg (60F)
Connection location	Lower
Process Connection	1/2 BSP(M), Others through adaptor
Display	
Type	LCD, 5 Digit 99999 counts
Character Height	0.67" (17 mm)
Backlight	On/Off, Automatic Off function (Never, 10s, 30s, 1 min, 5 min)
Material	
Case	SS 304
Sensor and Socket	SS 316L
Power	3 AA Alkaline Battery
Battery Life	2000 Hrs. at standard use
Features	Zero Clear Auto Off Min/Max Indicator Bar Graph (20 Segment) Battery Indication (5 Segment) Update rate (100, 200, 500, 1000 ms) Dampening (None, Low, Medium, High) Tare (User definable) Process pressure % indicator (User definable) Password Protection for calibration and special functions (user selectable)
Permissible	
Ambient temperature	0 ... 70 °C
Medium temperature	-10 ... 50 °C
Storage temperature	-20 ... 70 °C
Compensated temperature	+10 ... 50 °C
Certification	Manufacturer calibration certificate, optional NABL Certificate
Weight	430 grams
Protection	IP65 as per IEC 60529
Accessories	Adapters (Regular/Swivel)

General dimensions in mm



Order information

Size	Type	System Material	Process Connection	Connection orientation	Range	Output	Options
(100) 100mm	MG301	(S) SS316L	(15) 1/2" BSP (M)	(L) Lower	MBAR 0/ 100 0/ 250 0/ 600 BAR -1/ 0 -1/ 1 -1/ 2 -1/ 7 -1/ 10 -1/ 30 0/ 1 0/ 2 0/ 4 0/ 7 0/ 10 0/ 16 0/ 25 0/ 40 0/ 60 0/ 100 0/ 160 0/ 250 0/ 400 0/ 600 0/ 1000 Others on request	(=) None	(TU) Throttle Plug (CD4N) ISO17025 (NABL) Calibration Certificate
			Others on request				

How to order

Size	Type	System material	Process connection	Connection orientation	Range	Engineering unit	Output	Option
100	MG301	S	15	L	0/100	BAR	=	TU