

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

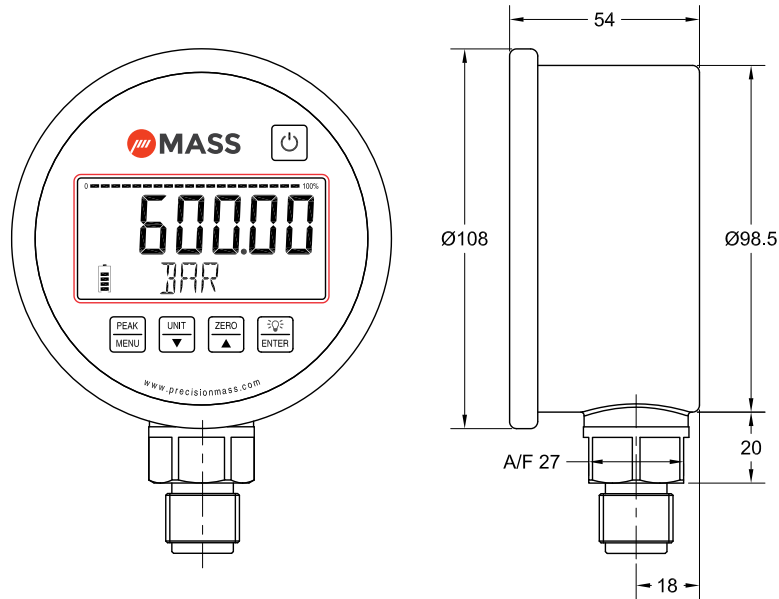
Calibration laboratories

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/ 4 -1/ 7 -1/ 10 -1/ 16 -1/ 21 -1/ 30 0/ 1 0/ 2 0/ 4 0/ 7 0/ 10 0/ 16 0/ 25 0/ 40 0/ 60 0/ 70 0/ 100 0/ 160 0/ 250 0/ 350 0/ 400 0/ 600 0/ 700 0/ 1000 Others on request	(=) None	(TU) Throttle Plug Certificate (CD4N) ISO17025 (NABL) Calibration Certificate Others on request

How to order

Size	Type	System material	Process connection	Connection orientation	Range	Engineering unit	Output	Options	Certificate
100	MG301	S	15	L	0/100	BAR	=	TU	CD4N

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