

# 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 & Casing

### Ranges

100 mbar to 1000 bar in Gauge, Vacuum & Compound

### Applications

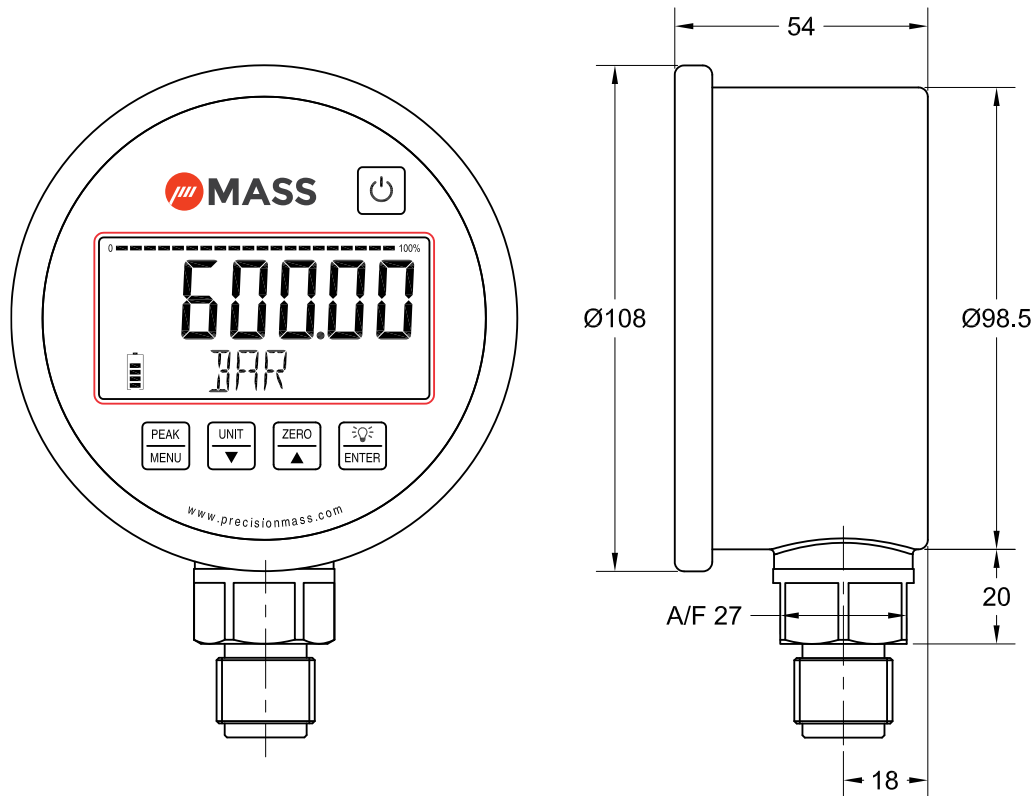
Calibration laboratories

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	130% of scale, Max 1100 bar
Units	bar, mbar, kg/cm <sup>2</sup> , psi, Pa, kPa, MPa, mmH <sub>2</sub> O, mH <sub>2</sub> O, inH <sub>2</sub> O (60F), ftH <sub>2</sub> O, mmHg, cmHg, inHg (60F)
Connection location	Lower
Process Connection	1/2 BSP(M), M20 x 1.5 (M), Others on request.
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	SS304 / SS 316L
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 (50, 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)
Temperature Error (Zero & Span)	0.04% of span/°F, (from 70°F/reference temperature)
Permissible	
Ambient temperature	0 ... 70 °C
Medium temperature	-10 ... 60 °C
Storage temperature	-30 ... 80 °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) (16) M20 x 1.5 (M)	(L) Lower	<b>MBAR</b> 0/ 100 0/ 250 0/ 600  <b>BAR</b> -1/ 0 -1/ 1 0/ 1 0/ 2 0/ 4 0/ 7 0/ 10 0/ 20 0/ 25 0/ 40 0/ 60 0/ 160 0/ 200 0/ 250 0/ 400 0/ 600 0/ 1000 Others on request	(=) None	<b>(TU)</b> Throttle Plug  <b>(CD4N)</b> ISO17025 (NABL) Calibration Certificate

### 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

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