

DIGITAL PRESSURE GAUGES

MG-9V series

FW

APPLICATIONS and FEATURES

The sensor of the MG series is stainless steel 316L diaphragm seal. It can be used in any gaseous and liquid media compatible with stainless steel 304L and 316L. It has the features of high precision, sensitive response, backlight, easy operation, seven kinds of units switching, peak and valley value recording.

SPECIFICATIONS

Housing	Aluminum case and PBT front and rear covers Enclosure rating IP65 Diameter 75.5mm Thickness 44mm
Connection port	1/4"PT male thread, Stainless steel 304L Option: 1/4"NPT male thread
Measuring element	Stainless steel 316L diaphragm
Power supply	battery 9V
Display	4 digits LCD display 49mm x 22mm Backlight switch · Battery life display
Units	psi · bar · kg/cm ² · MPa · kPa · In-Hg · cm-Hg
Accuracy	±0.25% F.S. ; ±0.5% F.S. for MG-50 and MG-5000 Stability: < 0.25% F.S. / year
Measurement rate	8 times per second
Automatic power off	Factory default 5 minutes Setting range 5 to 60 minutes or No Automatic power off
Overpressure protection	within 2 times of full Scale for moment
Operating Temperature	-20℃ to 70℃



Model \ Units	Full Scale (Resolution)						
	psi	bar	kg/cm ²	MPa	kPa	In-Hg	cm-Hg
MG-50-W-9V	50.00 (0.01)	3.447 (0.001)	3.515 (0.001)	0.345 (0.001)	344.7 (0.1)	101.8 (0.1)	258.6 (0.1)
MG-100-W-9V	99.99 (0.01)	6.895 (0.001)	7.030 (0.001)	0.689 (0.001)	689.5 (0.1)	203.6 (0.1)	517.2 (0.1)
MG-200-W-9V	200.0 (0.1)	13.79 (0.01)	14.06 (0.01)	1.379 (0.001)	1379 (1)	407.2 (0.1)	1034 (1)
MG-300-W-9V	300.0 (0.1)	20.68 (0.01)	21.09 (0.01)	2.068 (0.001)	2068 (1)	610.9 (0.1)	1551 (1)
MG-500-W-9V	500.0 (0.1)	34.47 (0.01)	35.15 (0.01)	3.447 (0.001)	3447 (1)	1018 (1)	2586 (1)
MG-1000-W-9V	999.9 (0.1)	68.95 (0.01)	70.30 (0.01)	6.895 (0.001)	6895 (1)	2036 (1)	5171 (1)
MG-3000-W-9V	3000 (1)	206.8 (0.1)	210.9 (0.1)	20.68 (0.01)	9999 (1)	6108 (1)	9999 (1)
MG-5000-W-9V	5000 (1)	344.7 (0.1)	351.5 (0.1)	34.47 (0.01)	9999 (1)	9999 (1)	9999 (1)