DIGITAL PRESSURE GAUGES
MG-MD series

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, 4-20mA analog signal output, and configurable NPN or PNP switching functions.

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	8~30VDC
Display	4 digits LCD display 49mm x 22mm
Units	psi，bar，kg/cm2，MPa，kPa，In-Hg，cm-Hg
Output	4–20mA: Adjustable to correspond to 50% F.S. to 100% F.S., default setting is 100% F.S. NPN or PNP: Load current up to 250mA
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
Overpressure protection	within 2 times of full Scale for moment
Operating Temperature	-20℃ to 70℃

Units / Model	Full Scale (Resolution)						
	psi	bar	kg/cm^2	MPa	kPa	In-Hg	cm-Hg
MG-50-W-MD	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-MD	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-MD	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-MD	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-MD	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-MD	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-MD	3000 (1)	206.8 (0.1)	210.9 (0.1)	20.68 (0.01)	9999 (1)	6108 (1)	9999 (1)
MG-5000-W-MD	5000 (1)	344.7 (0.1)	351.5 (0.1)	34.47 (0.01)	9999 (1)	9999 (1)	9999 (1)