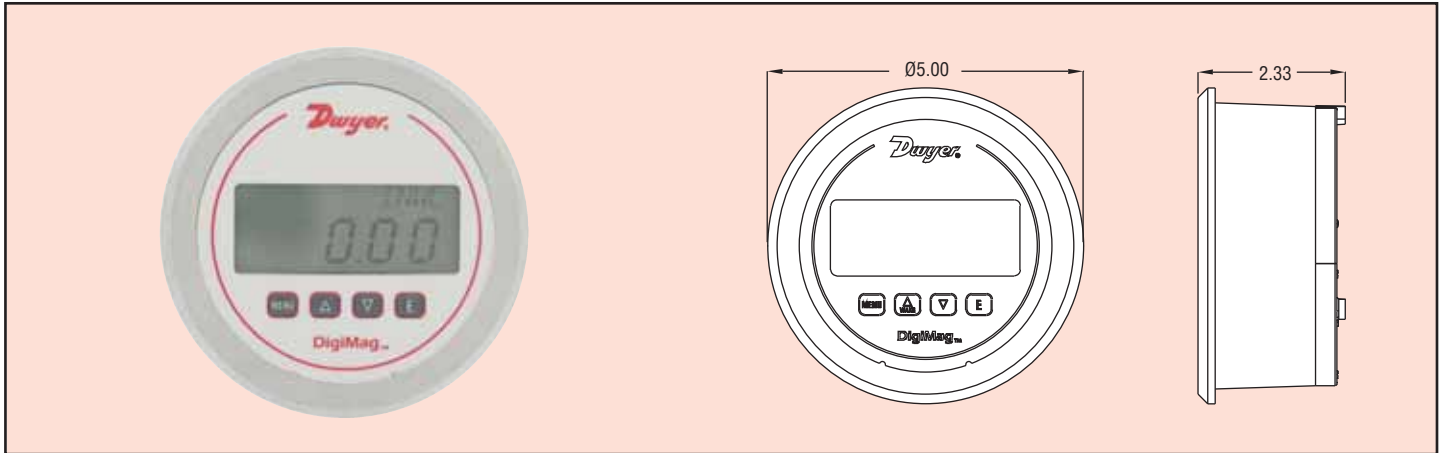




Series
DM-1100

DigiMag[®] Digital Differential Pressure Gage

24 Volt or Battery Powered. Fits in Magnehelic[®] Gage Cut-Out



The DigiMag[®] Series DM-1100 Digital Differential Pressure Gage monitors the pressure of air and compatible gases just as its famous analog predecessor the Magnehelic[®] Differential Pressure Gage. All models are factory calibrated to specific ranges as listed in the chart below. The 4-digit LCD can display pressure readings in eight common english and metric units so conversions are not necessary. The simplified four button operation reduces set up time and simplifies calibration with its digital push button zero and span. The gage may be powered with 9-24 VDC or 9V battery alone when power is not available.

ACCESSORIES

- A-299**, Surface Mounting Bracket
- A-300**, Flat Flush Mounting Bracket
- A-310A**, 3-Way Vent Valve
- A-480**, Plastic Static Pressure Tip

SPECIFICATIONS

- Service:** Air and non-combustible, compatible gases.
- Wetted Materials:** Consult factory.
- Housing Materials:** Glass filled plastic.
- Accuracy:** $\pm 1\%$ F.S. including linearity, hysteresis and repeatability.
- Temperature Limits:** 0 to 140°F (-18 to 60°C).
- Compensated Temperature Limits:** 32 to 122°F (0 to 50°C).
- Long Term Stability:** $\pm 1\%$ F.S. per year.
- Thermal Effect:** $\pm 0.09\%$ F.S./°F ($\pm 0.15\%$ F.S./°C).
- Display:** 4-digit LCD (Digits: 0.60"H x 0.33"W).
- Display Update:** 0.5 second (damping set to 1).
- Pressure Limits:** Ranges $\leq 10"$ w.c. plus all bi-directional ranges = 2 psi; Ranges $> 10"$ w.c. = 11 psi.
- Power Requirements:** 9 to 24 VDC with battery back-up or stand alone battery.
- Type of Battery:** 9V alkaline battery (Duracell[®] PC 1604 or equivalent). Stand Alone Battery Service Life: 9 months (typical) at ambient temperatures of 32 to 104°F (0 to 40°C) and the Display Update set to 10 minutes. Battery may last up to four times longer when using lithium-based battery.
- Current Consumption:** 10 mA maximum.
- Electrical Connections:** Removable terminal block for 16 to 26 AWG.
- Electrical Entry:** Cable gland for 0.114 to 0.250" (2.9 to 6.4 mm) diameter cable.
- Size:** 4-3/4" diameter x 2.6" diameter.
- Process Connections:** 1/8" (3 mm) I.D. tubing.
- Enclosure Rating:** NEMA 4X (IP66) front face.
- Weight:** 1.18 lb (535 g).

Model	Range									Resolution (in w.c.)
	(in w.c.)	psi	kPa	Pa	mbar	mm w.c.	in Hg	mm Hg	% of FS	
DM-1102	0.250	—	0.062	62.20	0.622	6.35	—	0.467	100.0	0.001
DM-1103	0.500	—	0.124	124.5	1.245	12.70	—	0.934	100.0	0.001
DM-1104	1.000	—	0.249	249.1	2.492	25.40	—	1.868	100.0	0.001
DM-1105	2.000	—	0.498	498.2	4.982	50.80	—	3.736	100.0	0.001
DM-1107	5.000	0.181	1.245	1245	12.45	127.0	0.368	9.34	100.0	0.002
DM-1108	10.00	0.361	2.491	2491	24.91	254.0	0.736	18.68	100.0	0.010
DM-1109	15.00	0.543	3.738	3738	37.38	381.0	1.104	28.02	100.0	0.010
DM-1110	25.00	0.903	6.227	6227	62.27	635.0	1.839	46.71	100.0	0.010
DM-1111	50.00	1.806	12.45	—	124.5	1270	3.678	93.42	100.0	0.020
DM-1112	100.0	3.613	24.91	—	249.1	2540	7.355	186.8	100.0	0.100

Contact the factory for available bi-directional ranges from $\pm 0.25"$ w.c. to $\pm 10"$ w.c.

NEW PRODUCT!



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