

ARMSTRONG



Differential Pressure Manometer

FILE NO:	10-2
DATE:	August 2010
SUPERSEDES:	10-2
DATE:	October 2007

Armstrong DPM-100

The Differential Pressure Manometer (DPM) is a rugged, digital instrument used to measure the pressure drop or pressure gain across hydronic system components. The DPM-100 has a 0-100 psi measurement range for precise adjustment of circuit balancing valves, and to monitor circulator performance. The unit can measure gauge or differential pressure and can store up to 40 readings for later recall. The operator can select from a variety of Imperial and metric measurement units to suit the hydronic system design data. Valuable safety features include visible and audible instrument over-range warning alarms and backlit display for work in poorly illuminated areas. The lightweight, compact DPM design is easy to use in the tight, overhead spaces commonly encountered when balancing or troubleshooting hydronic systems.

► Features and Benefits

- Compatible with any hydronic system fluid.
- Select any of seven Imperial/metric units available.
- Stores up to 40 readings in memory for later reference.
- Visible and audible pressure over-range alarms.
- Battery powered, compact and light.

► Technical Data

Service	Compatible, non-combustible gases & liquids
Wetted Materials	Type 316L Stainless Steel
Accuracy	±0.5% of full scale from 15°C - 25°C (60°F - 78°F); ±1% of full scale from 0°C - 15°C and 25°C - 40°C (32°F - 60°F and 78°F - 104°F)
Measurement Range	DPM-100 0 - 6.9 bar (0 - 100 psi)
Maximum Pressure	DPM-100 13.0 bar (200 psi)
Selectable Pressure Units	psi, in. H ₂ O, in. Hg, mm Hg, kPa, bar and mbar
Operating Temperature Range	0°C - 93°C (32°F - 200°F)
Storage Temperature	-20°C - 80°C (-4°F - 176°F)
Pressure Hysteresis	±0.1% of full scale
Connections	Two 1/8" female NPT
Adapters	Two 1/4" male SAE adapters included
Display	10.6 mm (0.42") 4 1/2 digit LCD with units indicators
Power Source	9 V alkaline battery (included)
Battery Life	Up to 100 hours (less when LCD backlight used)
Agency Approvals	CE

► Dimensions and Weights

Model	Height	Width	Depth	Weight
DPM-100	150 (5 7/8)	70 (2 3/4)	20 (7/8)	0.4 (0.90)
Carrying Case plus hoses & fittings	343 (13 1/2)	432 (17)	114 (4 1/2)	2.6 (5.85)

Note: All dimensions are in mm (inches) and weights in kg (lbs)

Our policy is one of continuous improvement and we reserve the right to alter our dimensions and specifications without notice



Includes two measuring probes

► Carrying Case Includes:

- Made of durable resin material.
- Impact-resistant foam packing.
- Flexible hoses (one red and one blue) complete with fittings:
 - 1/4" female SAE flare straight fitting (connects to 1/4" SAE adapters on meter)
 - 1/4" female SAE 45° elbow fitting (connects to measuring probes)
- Two pressure measuring probes with adapter fittings.
- Two Armstrong ARMflo venturi-style CBV balancing slide rules.

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