

Series DPM - Differential Pressure Manometer

SUBMITTAL

JOB: _____	REPRESENTATIVE: _____
ENGINEER: _____	ORDER NO: _____ DATE: _____
CONTRACTOR: _____	SUBMITTED BY: _____ DATE: _____
	APPROVED BY: _____ DATE: _____

Quantity	TAG No.	Model No.	Comments

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 is available in either 0-15 psi or 0-100 psi measurement range models for precise adjustment of circuit balancing valves, and to monitor circulator performance. Both models measure gauge or differential pressure and can store up to 20 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.

TECHNICAL DATA	
Service	Compatible, non-combustible gases & liquids
Wetted Materials	Type 316L Stainless Steel
Accuracy	±0.5% of full scale from 60°F - 78°F (15°C - 25°C); ±1% of full scale from 32°F - 60°F and 78°F - 104°F (0°C - 15°C and 25°C - 40°C)
Measurement Range	DPM-15 0 - 15 psi (0 - 1.0 bar)
	DPM-100 0 - 100 psi (0 - 6.9 bar)
Maximum Pressure	DPM-15 30 psi (2.0 bar)
	DPM-100 200 psi (13.0 bar)
Selectable Pressure Units	psi, in. H ₂ O, in. Hg, mm Hg, kPa, bar and mbar
Operating Temperature Range	32°F to 200°F (0°C to 93°C)
Storage Temperature	-4°F to 176°F (-20°C to 80°C)
Pressure Hysteresis	±0.1% of full scale
Connections	Two 1/8" female NPT
Adapters	Two 1/4" male SAE adapters included
Display	0.42" (10.6 mm) 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



OPTIONAL CARRYING CASE includes:
<ul style="list-style-type: none"> Made of durable resin material Impact-resistant foam packing Flexible hoses (one red and one blue) complete with fittings: <ul style="list-style-type: none"> 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 One Armstrong CBV balancing wheel One Armstrong ARMflo venturi-style CBV balancing slide rule

DIMENSIONS and WEIGHTS				
Model	Height	Width	Depth	Weight
DPM-15	5-7/8 (150)	2-3/4 (70)	7/8 (20)	0.90 (0.4)
DPM-100				
Carrying Case plus hoses & fittings	13-1/2 (343)	17 (432)	4-1/2 (114)	5.85 (2.6)

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

Armstrong Pumps Inc.
 93 East Avenue
 North Tonawanda, New York
 U.S.A. 14120-6594
 Tel: (716) 693-8813
 Fax: (716) 693-8970
 www.armstrongpumps.com

Armstrong Holden Brooke Pullen
 Wenlock Way
 Manchester
 United Kingdom, M12 5JL
 Tel: +44 (0) 1612 232223
 Fax: +44 (0) 1612 209660



© S.A. Armstrong Limited 2004

S.A. Armstrong Limited
 23 Bertrand Avenue
 Toronto, Ontario
 Canada, M1L 2P3
 Tel: (416) 755-2291
 Fax: (416) 759-9101

Armstrong Darling
 9001 De L'Innovation, Suite 200
 Montreal (Anjou), Quebec
 Canada, H1J 2X9
 Tel: (514) 352-2424
 Fax: (514) 352-2425

