

TECHNICAL DATA SHEET



Dwyer High Accuracy Magnehelic Pressure Gauge

DESCRIPTION

Series 2000 Dwyer High Accuracy Magnehelic Pressure Gauge, complete with a mirrored scale overlay to eliminate parallax errors and accurate within 1%. Twice as accurate as the Dwyer series 2000 Standard Magnehelic Pressure Gauge. IP67 casing fully protects against dust and immersion. Includes a six point calibration certificate. Suitable for use in Cleanrooms, Laboratories and other clean environments. Available in scale range of 0-60 Pa. Large dial Magnehelic® gauges are the recognized industry standard for accurate and calibrated measurement of cleanroom differential pressures.



TECHNICAL SPECIFICATION

Material	Aluminium with bezel and acrylic
Display Range	0-60 pascals
Water /Dust Resistance	IP67
Recommended Use	Suitable for use in cleanrooms, laboratories and other clean environments. Can be used for Air and non-combustible, compatible gases

FEATURES

- Available in scale range of 0-60Pa
- Highly to accurate within 1%
- Mirrored Scale Overlay
- Includes six point calibration certificate
- IP67 casing
- 4" (101.6 mm) diameter dial face
- Blue, Red and Clear Pressure Gauge Tubing Available
- Gauge range indicators (red and green zones) available
- Complete with standard fixtures and fittings

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SPECIFICATIONS

Service	Air and non-combustible, compatible gases. (Natural gas option available.)
Wetted Materials	Consult factory
Housing	Die cast aluminium case and bezel, with acrylic cover. Exterior finish is coated Gray to withstand 168 hour salt spray corrosion test
Accuracy	±2% of full scale (±3% on - 0, -100 Pa, -125 Pa, 10MM and ±4% on - 00,-60 Pa, - 6MM ranges), throughout range at 70°F (21.1°C)
Pressure Limits	35 psig (2.41 bar), HP option: 80 psig (5.52 bar)
Overpressure	Relief plug opens at approximately 25 psig (1.72 bar), standard gages only
Temperature Limits	20 to 140°F. (-6.67 to 60°C)
Size	4" (101.6 mm) diameter dial face
Mounting Orientation	Diaphragm in vertical position. Consult factory for other position orientations
Process Connections	1/8" female NPT duplicate high and low pressure taps - one pair side and one pair back
Weight	1 lb 2 oz (510 g), MP & HP 2 lb 2 oz (963 g)
Standard Accessories	Two 1/8" NPT plugs for duplicate pressure taps, two 1/8" pipe thread to rubber tubing adapter and three flush mounting adapters with screws. (Mounting and snap ring retainer substituted for 3 adapters in MP & HP gage accessories.)