MK III INTRINSICALLY SAFE HANDHELD DIGITAL MANOMETER

Ranges from 1 in w.c. to 150 psid, ±0.5% Accuracy

The SERIES 475 Mark III Handheld Digital Manometer measures positive, negative, or differential pressures of air and natural gases in ranges from 1 in w.c. (0.249 kPa) to 150 psid (10.34 bar). The dual push pads on the front panel control the on/off, auto zero, and pressure unit selection, allowing for simple operation with no set up needed. When used with a Dwyer® Pitot tube (Φ), the Series 475 can also be used as an air velocity gage.

FEATURES/BENEFITS
• Rugged aluminum case protects instrument from damage during transport/use
• Large, easy to read LCD and simple operation
• FM approved to be intrinsically safe in hazardous locations, Class 1, Div 2, Groups A, B, C, D, T4 Ta = 70°C.

APPLICATIONS
• Monitoring natural gas pressures on boilers and other combustion equipment
• Air velocity monitoring, when used with a Dwyer® Pitot tube (Φ) and AV calculator
• Field calibration of other instruments
• Monitoring or troubleshooting HVAC systems

SPECIFICATIONS
Service: Air and compatible combustible gases.
Wetted Materials: Consult factory.
Accuracy: ±0.5% FS, 60 to 78°F (15.6 to 25.6°C); ±1.5% FS from 32 to 60°F and 78 to 104°F (0 to 15.6°C and 25.6 to 40°C).
Pressure Hysteresis: ±0.1% FS.
Pressure Limits: See chart.
Compensated Temperature Limits: 32 to 104°F (0 to 40°C).
Storage Temperature Limits: -4 to 176°F (-20 to 80°C).
Display: 0.42˝ (10.6 mm) 4 digit LCD.
Resolution: See chart.
Power Requirements: 9 V alkaline battery, installed non-functional, user replaceable.
Weight: 10.8 oz (306 g).
Process Connections: Two barbed connections for use with 1/8˝ (3.18 mm) or 3/16˝ (4.76 mm) ID tubing. Two compression fittings for use with 1/8˝ (3.18 mm) ID x 1/4˝ (6.35 mm) OD tubing for 475-7 & 475-8 only.
Agency Approvals: CE, FM approved to Class I, Div 2, Groups A, B, C, D, T4 Ta = 70°C.

ACCESSORIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>A-402A</td>
<td>Carrying case, tough gray nylon pouch protects any Series 475 manometer, double zippered for quick and easy access, belt loop that snaps closed, 7-1/2˝H x 3˝W x 2-1/4˝D (191 x 76 x 57 mm)</td>
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<tr>
<td>UHH-C1</td>
<td>Soft carrying case</td>
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<tr>
<td>A-47X-BOOT</td>
<td>Protective magnetic rubber boot</td>
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OPTIONS

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<th>To order add suffix:</th>
<th>Description</th>
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<tr>
<td>-AV</td>
<td>Air velocity kit, includes the Series 475 manometer, two A-303 static pressure tips two 9˝ lengths 3/16˝ ID rubber tubing, no. 166-6-CF pitot tube, A-397 step drill, A-532 air velocity slide chart and instruction bulletin H-11, all packed in a tough, molded plastic carrying case with die cut foam liner.</td>
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<td>-NIST</td>
<td>NIST traceable calibration certificate</td>
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Examples: 475-1-AV; 475-000-AV

475-AV Air Velocity Kit

(Manometer not included)

Examples: 475-1-NIST

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Pivot tube: See pages 93-118 (Air Quality section)

Process Tubing Options: See page 443 (Gage Tubing Accessories)