

# M2 Series

## Smart Manometers

### Ordering Information

#### Model Number & Description


M200 (specify pressure range) Smart Manometer

#### All Models Include

- Protective Red Boot
- 4 AA Alkaline batteries
- Hard copy user's manual

#### Optional Accessories

Z9A000069 Hard Carrying Case  
 Z9P000108 Hard Carrying Case with Vacuum Pump  
 Z9P000109 Hard Carrying Case with Pressure Pump  
 ZA34386 Connector Kit, brass

Specifications																																	
Base Unit	14 oz. (6.5" X 3.6" X 2.25") polycarbonate, permanently dissipative, ESD protection.																																
Keypad	Sealed membrane type with 5 dome contact style buttons.																																
Display	5 significant digit LCD (0.25" high) 2 line x 16 alphanumeric characters with contrast adjustment. Two stage backlight with visual over-range indication.																																
Power	4 each AA batteries providing over 100 hours of continuous use.																																
Wetted Parts	DN: 316L SS, brass, viton GI: 316L SS AI: 316L SS																																
Connections	1/8" female NPT, 316L SS																																
NIST Traceable Accuracy	Pressure: ± 0.025% of F.S. or ± 0.05% F.S. typical. DN0028 ± 0.1% of F.S. Accuracy statement includes all affects of temperature over specified operating range.																																
Temperature Specifications	Storage: -40°F to 140°F (-40°C to 60°C) Operating: 23°F to 122°F (-5°C to 50°C) I.S. Models -4°F to 122°F (-20°C to 50°C) G.P. Models																																
Pressure Ranges	<table border="0"> <tr> <td>DN0028</td> <td>0-28" H<sub>2</sub>O</td> <td>Differential</td> <td>(0.1% F.S.)</td> </tr> <tr> <td>DN0200</td> <td>0-200" H<sub>2</sub>O</td> <td>Differential</td> <td></td> </tr> <tr> <td>DN2000</td> <td>0-2000" H<sub>2</sub>O</td> <td>Differential</td> <td></td> </tr> <tr> <td>GI0015</td> <td>0-15 PSI</td> <td>Gauge</td> <td></td> </tr> <tr> <td>GI0030</td> <td>0-30 PSI</td> <td>Gauge</td> <td></td> </tr> <tr> <td>GI0200</td> <td>0-200 PSI</td> <td>Gauge</td> <td></td> </tr> <tr> <td>GI2000</td> <td>0-2000 PSI</td> <td>Gauge</td> <td></td> </tr> <tr> <td>AI0038</td> <td>0-2000 mm Hg/ 0-38 PSIA</td> <td>Absolute</td> <td></td> </tr> </table>	DN0028	0-28" H <sub>2</sub> O	Differential	(0.1% F.S.)	DN0200	0-200" H <sub>2</sub> O	Differential		DN2000	0-2000" H <sub>2</sub> O	Differential		GI0015	0-15 PSI	Gauge		GI0030	0-30 PSI	Gauge		GI0200	0-200 PSI	Gauge		GI2000	0-2000 PSI	Gauge		AI0038	0-2000 mm Hg/ 0-38 PSIA	Absolute	
DN0028	0-28" H <sub>2</sub> O	Differential	(0.1% F.S.)																														
DN0200	0-200" H <sub>2</sub> O	Differential																															
DN2000	0-2000" H <sub>2</sub> O	Differential																															
GI0015	0-15 PSI	Gauge																															
GI0030	0-30 PSI	Gauge																															
GI0200	0-200 PSI	Gauge																															
GI2000	0-2000 PSI	Gauge																															
AI0038	0-2000 mm Hg/ 0-38 PSIA	Absolute																															
Certifications	<table border="0"> <tr> <td>CE 0539</td> <td>Ex II 1 G</td> <td>Class I, Div. 1 Groups A,B,C,D, T4</td> </tr> <tr> <td>Ex ia IIC T4</td> <td>DEMKO 06 ATEX 0615699 IP 40</td> <td>Intrinsically Safe, Exia</td> </tr> <tr> <td></td> <td></td> <td>Class I, Zone 0, AEx ia IIC T4</td> </tr> <tr> <td></td> <td></td> <td>Class I, Zone 0, Ex ia IIC T4</td> </tr> <tr> <td></td> <td></td> <td>-5 C &lt; Ta &lt; +50 C</td> </tr> </table> 	CE 0539	Ex II 1 G	Class I, Div. 1 Groups A,B,C,D, T4	Ex ia IIC T4	DEMKO 06 ATEX 0615699 IP 40	Intrinsically Safe, Exia			Class I, Zone 0, AEx ia IIC T4			Class I, Zone 0, Ex ia IIC T4			-5 C < Ta < +50 C																	
CE 0539	Ex II 1 G	Class I, Div. 1 Groups A,B,C,D, T4																															
Ex ia IIC T4	DEMKO 06 ATEX 0615699 IP 40	Intrinsically Safe, Exia																															
		Class I, Zone 0, AEx ia IIC T4																															
		Class I, Zone 0, Ex ia IIC T4																															
		-5 C < Ta < +50 C																															