

## PS100 Series Differential Pressure Manometers



Extech's Differential Pressure Manometers series are ideal for field, manufacturing or lab/R&D use. Three models offer ranges for various applications: 1psi, 6psi, 15psi. Each model displays readings in 11 units with high resolution.

#### Applications:

- HVAC: Pressure drop at filters and pressure loss in ducts
- Testing pneumatic controls and pressurized equipment in manufacturing
- Clean rooms and medical equipment
- Testing and adjusting regulators
- Positive pressure testing in clean rooms & operating rooms
- Boiler installation and gas furnace pressure switch testing

### Features

- Three models to choose from:
  - Model PS101 ( $\pm 1$ psi range)
  - Model PS106 ( $\pm 6$ psi range)
  - Model PS115 ( $\pm 15$ psi range)
- 11 units of measure to choose from
- Manually store/recall 99 readings
- Max/Min recording and Relative time stamp
- Data Hold and Auto power off with disable
- Large LCD display with backlighting
- Zero function for offset correction or measurement
- Complete with six AAA batteries, two connection hoses and hard carrying case

| Specifications     | PS101 Range / Max Resolution                      |                         | PS106 Range / Max Resolution |                         | PS115 Range / Max Resolution |                         | Basic Accuracy |
|--------------------|---|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|----------------|
| psi                | 1psi  | 0.001psi                | 6psi                         | 0.001psi                | 15psi                        | 0.001psi                | $\pm 1\%$ FS   |
| kPa                | 6.89kPa   | 0.01kPa                 | 41.37kPa                     | 0.01kPa                 | 103.42kPa                    | 0.01kPa                 | $\pm 1\%$ FS   |
| mmHg               | 51.7mmHg  | 0.1mmHg                 | 310.3mmHg                    | 0.1mmHg                 | 775.7mmHg                    | 0.1mmHg                 | $\pm 1\%$ FS   |
| kgcm <sup>2</sup>  | 0.07kgcm <sup>2</sup>                             | 0.001kgcm <sup>2</sup>  | 0.422kgcm <sup>2</sup>       | 0.001kgcm <sup>2</sup>  | 1.055kgcm <sup>2</sup>       | 0.001kgcm <sup>2</sup>  | $\pm 1\%$ FS   |
| mbar               | 68.9mbar  | 0.1mbar                 | 413.7mbar                    | 0.1mbar                 | 1034.2mbar                   | 0.1mbar                 | $\pm 1\%$ FS   |
| bar                | 0.069bar  | 0.001bar                | 0.414bar                     | 0.001bar                | 1.034bar                     | 0.001bar                | $\pm 1\%$ FS   |
| inH <sub>2</sub> O | 27.68inH <sub>2</sub> O                           | 0.01inH <sub>2</sub> O  | 166.08inH <sub>2</sub> O     | 0.01inH <sub>2</sub> O  | 415.20inH <sub>2</sub> O     | 0.01inH <sub>2</sub> O  | $\pm 1\%$ FS   |
| mmH <sub>2</sub> O | 703mmH <sub>2</sub> O                             | 1mmH <sub>2</sub> O     | 4218mmH <sub>2</sub> O       | 1mmH <sub>2</sub> O     | 10546mmH <sub>2</sub> O      | 1mmH <sub>2</sub> O     | $\pm 1\%$ FS   |
| inHg               | 2.036inHg   | 0.001inHg               | 12.216inHg                   | 0.001inHg               | 30.5inHg                     | 0.001inHg               | $\pm 1\%$ FS   |
| ftH <sub>2</sub> O | 2.307ftH <sub>2</sub> O                           | 0.001ftH <sub>2</sub> O | 13.840ftH <sub>2</sub> O     | 0.001ftH <sub>2</sub> O | 34.6ftH <sub>2</sub> O       | 0.001ftH <sub>2</sub> O | $\pm 1\%$ FS   |
| ozin <sup>2</sup>  | 16.00ozin <sup>2</sup>                            | 0.01ozin <sup>2</sup>   | 96.00ozin <sup>2</sup>       | 0.01ozin <sup>2</sup>   | 240.00ozin <sup>2</sup>      | 0.01ozin <sup>2</sup>   | $\pm 1\%$ FS   |
| Dimensions/Wt      | 6.7 x 3.1 x 1.4" (169 x 78.3 x 34.4mm)/7oz (200g) |                         |                              |                         |                              |                         |                |

### Ordering

- PS101 ..... Differential Pressure Manometer (1psi)  
 PS106 ..... Differential Pressure Manometer (6psi)  
 PS115 ..... Differential Pressure Manometer (15psi)

