

**Five models are available covering a wide range of 2 PSI to 100 PSI**

These digital manometers are ideal for measuring low differential pressure in clean rooms, test and balance, medical equipment, HVAC, pneumatic systems and computer peripherals. They are portable, and weigh only 5 oz. (150 g) including the battery, these meters are convenient for use in the lab, field or factory. All read gauge, and differential min/max, hold, and auto power off functions. The RS232 port enables communication with a computer. High accuracy of  $\pm 0.3\%$  fs at 25°C, repeatability:  $\pm 0.2\%$  (max  $\pm 0.5\%$ ) FSO, and combined linearity and hysteresis:  $\pm 0.2$  (Max  $\pm 1.0\%$ ) FSO. All Sper Scientific Manometers come ready to use with connection hose, instructions, and a 9V battery, in a hard shell carrying case. N.I.S.T. traceable certificate of calibration available.

DIM: 7 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ " x 1" (182 x 72 x 30 mm). WEIGHT: 5 oz (150 g).



| Meter  | 840085 |            | 840080 |            | 840081 |            | 840082 |            | 840083  |            |
|--|--------|------------|--------|------------|--------|------------|--------|------------|---------|------------|
|  | Range  | Resolution | Range  | Resolution | Range  | Resolution | Range  | Resolution | Range   | Resolution |
| PSI  | 2      | 0.001      | 5      | 0.001      | 15     | 0.01       | 30     | 0.01       | 100     | 0.1        |
| In H <sub>2</sub> O  | 55.4   | 0.01       | 138    | 0.1        | 415    | 0.1        | 830    | 0.1        | 2768    | 1          |
| kPa  |        |            | 34.5   | 0.01       | 183    | 0.1        | 207    | 0.1        | 684     | 0.1        |
| Ft H <sub>2</sub> O  |        |            | 11.5   | 0.01       | 34.6   | 0.01       | 69.2   | 0.01       | 231     | 0.1        |
| In Hg  |        |            | 10.2   | 0.01       | 30.54  | 0.01       | 61.08  | 0.01       | 203.6   | 0.1        |
| Cm H <sub>2</sub> O<br>(840085 is<br>in mm H <sub>2</sub> O) | 1410   | 1          | 352    | 0.1        | 1050   | 1          | 2110   | 1          | 7030    | 1          |
| mbar   | 138    | 0.1        | 345    | 0.1        | 1034   | 1          | 2068   | 1          | 6895    | 1          |
| Bar  | 0.138  | 0.001      | 0.345  | 0.001      | 1.03   | 0.001      | 2.07   | 0.001      | 6.89    | 0.001      |
| mm of Hg   |        |            | 259    | 0.1        | 776    | 0.1        | 1550   | 1          | 5170    | 1          |
| Oz Inch <sup>2</sup>   |        |            | 80     | 0.01       | 240    | 0.1        | 480    | 0.1        | 1600    | 1          |
| Kg cm <sup>2</sup>   |        |            | 0.35   | 0.001      | 1.05   | 0.001      | 2.10   | 0.001      | 7.03    | 0.001      |
| Max Pressure   | 20 PSI |            | 20 PSI |            | 30 PSI |            | 60 PSI |            | 150 PSI |            |

| No.     | Description                 |
|---------|-----------------------------|
| 840085  | Manometer 2 PSI             |
| 840085C | Manometer 2 PSI Certified   |
| 840080  | Manometer 5 PSI             |
| 840080C | Manometer 5 PSI Certified   |
| 840081  | Manometer 15 PSI            |
| 840081C | Manometer 15 PSI Certified  |
| 840082  | Manometer 30 PSI            |
| 840082C | Manometer 30 PSI Certified  |
| 840083  | Manometer 100 PSI           |
| 840083C | Manometer 100 PSI Certified |

