



## MANOMETERS

Ideal for measuring low differential pressure in clean rooms, test and balance, medical equipment, HVAC, pneumatic systems and computer peripherals. Portable, and weighing only 5oz (150g) including the battery, these meters are convenient for use in the lab, field or factory. Five models are available covering a wide range. All read gauge, and differential pressure in up to 11 units of measure and feature large backlight display, max-min, 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.

Dim: 7<sup>1</sup>/<sub>8</sub>" x 2<sup>3</sup>/<sub>4</sub>" x 1"  
(182 x 72 x 30mm).

## OPTIONAL ACCESSORIES

- 840027 AC Adapter
- 840052 Software
- 840054 RS232 75" Cable
- 840089 Rubber Holster
- 840094 RS232 to USB Adaptor Cable



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