

# Digital Manometers with Backlit Display

## Read gauge and differential pressure in 11 units of measure

- Measure pressure (both Imperial and metric scales) in psi, in. H<sub>2</sub>O, bar, mbar, mm Hg, oz in<sup>2</sup>, kg/cm<sup>2</sup>, kPa, ft H<sub>2</sub>O, cm H<sub>2</sub>O, and in. Hg.
- Ideal for measuring low differential pressure in cleanrooms, test and balance, HVAC, pneumatic systems, and computer peripherals
- Large backlit LCD
- Maximum, minimum, hold, and auto power-off functions
- Built-in RS-232 port downloads information to your PC (order cable and software separately below)

SPECIFICATIONS	
Accuracy	±0.3% full-scale
Repeatability	±0.2% full-scale
Linearity and hysteresis	±0.2 full-scale
Units of measure	psi, H <sub>2</sub> O, bar, mbar, mm Hg, oz in <sup>2</sup> kg/cm <sup>2</sup> , kPa, ft Hg, cm Hg, in. H <sub>2</sub> O
Media compatibility	Noncorrosive gases/liquids
Display	4-digit, 1/2" H LCD
Operating temperature	32 to 122°F (0 to 50°C)
Output	RS-232
Process connection	3/16" barb
Dimensions (L x W x H)	7 1/4" x 2 1/2" x 1 1/4"
Power	One 9 V battery



68613-00  
Manometer



68613-01  
Datalogging manometer

SPECIFICATIONS											
Model No.	840085 / 840098		840080 / 840086		840081 / 840099		840082		840083		
Unit of Measure	Range	Resolution	Range	Resolution	Range	Resolution	Range	Resolution	Range	Resolution	
psi	0 to 2	0.001	0 to 5	0.001	0 to 15	0.01	0 to 30	0.01	0 to 100	0.1	
H <sub>2</sub> O	0 to 55.4	0.01	0 to 138	0.1	0 to 415	0.1	0 to 830	0.1	0 to 2768	1	
Bar	0 to 0.138	0.001	0 to 0.345	0.001	0 to 1.03	0.001	0 to 2.07	0.001	0 to 6.89	0.001	
mbar	0 to 138	0.1	0 to 345	0.1	0 to 1034	1	0 to 2068	1	0 to 6895	1	
cm H <sub>2</sub> O (2 psi meter is mm H <sub>2</sub> O)	0 to 1410	1	0 to 352	0.1	0 to 1050	1	0 to 2110	1	0 to 7030	1	
mm of Hg	—	—	0 to 259	0.1	0 to 776	0.1	0 to 1550	1	0 to 5170	1	
oz in <sup>2</sup> H <sub>2</sub> O	—	—	0 to 80	0.01	0 to 240	0.1	0 to 480	0.1	0 to 1600	1	
kg cm <sup>2</sup>	—	—	0 to 0.35	0.001	0 to 1.05	0.001	0 to 2.1	0.001	0 to 7.03	0.001	
kPa	—	—	0 to 34.5	0.01	0 to 183	0.1	0 to 207	0.1	0 to 684	0.1	
ft H <sub>2</sub> O	—	—	0 to 11.5	0.01	0 to 34.6	0.01	0 to 69.2	0.01	0 to 231	0.1	
in Hg	—	—	0 to 10.2	0.01	0 to 30.54	0.01	0 to 61.08	0.01	0 to 203.6	0.1	
Max pressure	20 psi		20 psi		30 psi		60 psi		150 psi		

What's included: Connection hose, hard shell carrying case, and 9 V battery.

Catalog No.	Model No.	Description
TS-68613-08	840085	Manometer 0 to 2 psi
TS-68613-00	840080	Manometer 0 to 5 psi
TS-68613-02	840081	Manometer 0 to 15 psi
TS-68613-04	840082	Manometer 0 to 30 psi
TS-68613-06	840083	Manometer 0 to 100 psi
TS-68613-01	840098	Data logging manometer 0 to 2 psi
TS-68613-03	840086	Data logging manometer 0 to 5 psi
TS-68613-05	840099	Data logging manometer 0 to 15 psi
Accessories		
TS-68613-95	—	Rubber holster
TS-68614-50	—	Graphical software
TS-68613-90	—	AC adapter for data logging models
TS-10518-99	—	RS-232 to USB cable
TS-09386-04	—	Replacement batteries, 9 V. 4/pk
TS-17100-31	—	NIST-traceable calibration with data