

# HANDHELD SMART MANOMETER FOR DIFFERENTIAL, GAGE AND ABSOLUTE PRESSURE GAGE AND ABSOLUTE MODELS: WET

Displays  
Min, Max and  
Current Reading

A

PRESSURE INSTRUMENTS

## HHP350 Series



- ✓ Gage, Absolute or Differential Ranges Available
- ✓ User Selectable Engineering Units
- ✓ High Accuracy, 0.05% FS Standard with 0.025% Optional
- ✓ MIN/MAX Hold and Leak Test Functions
- ✓ Programmable Damping Rates, and Auto Shutoff



HHP351-G,  
shown actual size.

The OMEGA® HHP350 Series smart manometers brings high precision and value to handheld manometer users. Standard accuracy is  $\pm 0.05\%$  FS, including temperature effects, with  $\pm 0.025\%$  FS optional. Models are available for gage, absolute or differential pressure with available ranges from 10" of water to 3000 psi.

Additional features for the HHP350 series include MIN/MAX capture, adjustable damping rates, and user selectable auto shut-off time period. It can also document up to 240 readings automatically or manually. Saved readings can be recalled at any time.

## SPECIFICATIONS

### Accuracy:

**HHP351:**  $\pm 0.05\%$  FS (except

**HHP351-A:** 0.1% FS)

**HHP352:**  $\pm 0.025\%$  FS

**Operating Temperature:** -40 to 60°C (-40 to 140°F)

**Storage Temperature:** -5 to 50°C (23 to 122°F)

**Temperature Effects:** No temperature effect over the entire operating range

**Engineering Units:** Inches of H<sub>2</sub>O (select 4°C, 20°C 60°F), psi, mm of Hg, cm of Hg, inches of Hg, mbars, bars, kPa, kg/cm<sup>2</sup>, and user selectable scaling

**Proof Pressure:** 2x range on gage and absolute units, 2x range on differential units when pressurized on high side only and 150 psi (10.3 bar) static when applied to both sides of the sensor simultaneously

**Convert Your  
HHP350 Series to a  
Pressure Calibrator by  
Adding the HPP-600-KIT  
Calibration Hand Pump.  
Visit us online for  
Complete Specifications**

**Pressure Port:** 1/8 female NPT

**Media Compatibility:** Differential clean, dry non-corrosive gases only, gage or absolute models for fluids compatible with 316L SS

**Battery:** 4 "AA" batteries (included)

**Battery Life:** >100 hours continuous

**Dimensions:** 165 L x 91 W x 57 mm D (6.5 x 3.6 x 2.25")

**Weight:** 400 g (14 oz)

HPP-600-KIT, calibration hand pump. Shown smaller than actual size.



To Order				
MODEL NO.	ACCURACY	MODEL NO.	ACCURACY	RANGE
<b>DIFFERENTIAL PRESSURE MODELS</b>				
HHP351-J	0.05% FS	–	–	0 to 25 mbar (0 to 10" H <sub>2</sub> O) differential
HHP351-A	0.1% FS	–	–	0 to 70 mbar (0 to 28" H <sub>2</sub> O) differential
HHP351-B	0.05% FS	HHP352-B	0.025%	0 to 500 mbar (0 to 200" H <sub>2</sub> O) differential pressure
HHP351-K	0.05% FS	HHP352-K	0.025%	0 to 1 bar (0 to 415" H <sub>2</sub> O) differential pressure
HHP351-C	0.05% FS	HHP352-C	0.025%	0 to 5 bar (0 to 2000" H <sub>2</sub> O) differential pressure
<b>GAGE PRESSURE MODELS</b>				
HHP351-D	0.05% FS	HHP352-D	0.025%	0 to 1 bar (0 to 15 psi) gage pressure
HHP351-E	0.05% FS	HHP352-E	0.025%	0 to 2 bar (0 to 30 psi) gage pressure
HHP351-L	0.05% FS	HHP352-L	0.025%	0 to 3.4 bar (0 to 50 psi) gage pressure
HHP351-M	0.05% FS	HHP352-M	0.025%	0 to 6.9 bar (0 to 100 psi) gage pressure
HHP351-G	0.05% FS	HHP352-G	0.025%	0 to 21 bar (0 to 300 psi) gage pressure
HHP351-N	0.05% FS	HHP352-N	0.025%	0 to 34.4 bar (0 to 500 psi) gage pressure
HHP351-O	0.05% FS	HHP352-O	0.025%	0 to 69 bar (0 to 1000 psi) gage pressure
HHP351-P	0.05% FS	HHP352-P	0.025%	0 to 207 bar (0 to 3000 psi) gage pressure
<b>ABSOLUTE PRESSURE MODELS</b>				
HHP351-Q	0.05% FS	HHP352-Q	0.025%	0 to 1.2 bar (0 to 17 psi) absolute pressure
HHP351-I	0.05% FS	HHP352-I	0.025%	0 to 2.0 bar (0 to 29 psi) absolute pressure
HHP351-R	0.05% FS	HHP352-R	0.025%	0 to 6.9 bar (0 to 100 psi) absolute pressure
HHP351-S	0.05% FS	HHP352-S	0.025%	0 to 69 bar (0 to 1000 psi) absolute pressure
<b>COMPOUND PRESSURE MODELS</b>				
HHP351-T	0.05% FS	HHP352-T	0.025%	-1 to 2 bar (-15 to 30 psi) gage pressure
HHP351-U	0.05% FS	HHP352-U	0.025%	-1 to 3.4 bar (-15 to 50 psi) gage pressure
HHP351-V	0.05% FS	HHP352-V	0.025%	-1 to 6.9 bar (-15 to 100 psi) gage pressure
HHP351-W	0.05% FS	HHP352-W	0.025%	-1 to 21 bar (-15 to 300 psi) gage pressure
HHP351-X	0.05% FS	HHP352-X	0.025%	-1 to 34.4 bar (-15 to 500 psi) gage pressure
HHP351-Y	0.05% FS	HHP352-Y	0.025%	-1 to 69 bar (-15 to 1000 psi) gage pressure
HHP351-Z	0.05% FS	HHP352-Z	0.025%	-1 to 207 bar (-15 to 3000 psi) gage pressure

Comes complete with 4 "AA" batteries, protective rubber boot, operator's manual and NIST certificate.

**Ordering Examples:** HHP351-E, handheld manometer with 0.05% FS accuracy and 0 to 2 bar (0 to 30 psi) range.

HHP352-G, handheld manometer with 0.025% FS accuracy and 0 to 21 bar (0 to 300 psi) range.