

## Teledyne Hastings- HPM 4/5/6

### Description

The HPM 4/5/6 is a hand-held, battery-operated digital vacuum gauge based on the highly successful VT/CVT-Series of “Hastings Gauges.” It features a precision A/D converter along with a microprocessor to measure the thermocouple vacuum gauge tube’s signal output. The microprocessor converts the measurement to a pressure reading by employing the gauge tube’s well-defined output/pressure relationship. The result is displayed using a bright, easy-to-read graphical display.

The HPM 4/5/6 is compatible with three of THI’s most popular gauge tube families: DV4, DV-5 and DV-6. These tubes utilize THI’s rugged, but sensitive noble metal thermocouples that are designed specifically for each range. Tubes are matched and interchangeable without calibration adjustments. They are compensated for temperature and rate of temperature change and are corrosion resistant.

- Easy-to-Read Graphical Display
- Compatible with Calibration Reference Tubes
- Torr, mbar and Pascal Units
- Detachable Cable



### Specifications

Range:	DV-4 Series 0.1 – 20 Torr DV-5 Series 0.1 – 100 mTorr DV-6 Series 1 – 1000 mTorr
Accuracy (when calibrated with gauge tube):	DV-4 Series $\pm$ (20% of reading + 0.02 Torr) (max) DV-5 Series $\pm$ (20% of reading + 0.1 mTorr) (max) DV-6 Series $\pm$ (15% of reading + 1 mTorr) (max)
Cable (CB-HPM-4/5/6):	Detachable and replaceable
Battery:	9 VDC alkaline
Approximate Battery Life:	>30 hours (with included alkaline battery)
Operating Temperature:	-18°C to 55°C with supplied alkaline battery -20°C to 60°C with alternate lithium battery
Rugged:	MIL-STD-810G Method 514.6
Weight:	HPM 4/5/6 and Case 1.58 lb (0.72 kg) HPM 4/5/6 Only 0.73 lb (0.33 kg)
Temperature Coefficient (Includes Tube Effects):	DV-4 (1.25 % of reading + 2.2 mTorr) / °C DV-5 (0.1% of reading + 0.08 mTorr) / °C DV-6 (-0.25% of reading + 0.2 mTorr) / °C

Drysdale & Associates, Inc. would be happy to assemble a kit including the HPM 4/5/6, with your choice of gauge tubes, reference tubes and ruggedized caps. Please contact us for a quotation or send your purchase order to:



[Sales@DrysdaleAssoc.com](mailto:Sales@DrysdaleAssoc.com)

(513) 831-9625

PO Box 44055

Cincinnati, OH 45244