Rugged Handheld Environmental Meters
With Rubber Bumper and Cover for Field Engineering

Temperature Measurement

Dual Input Type K Thermocouple Thermometer
HHC201
✓ 0.1% Accuracy
✓ Fast Temperature Response
✓ Display T1, T2 or T1-D2 Differential
✓ Functions: Hold/Min/Max/Max-Min/AVG/REL
✓ Auto Power-Off (10 Minutes)
✓ Backlight with Auto-Off (15 Seconds)

Specifications
Units: °C or °F
Range: -200 to 1372°C (-328 to 2500°F)
Resolution:
  0.1°: -100 to 1372°C (-148 to 2500°F)
  1°: -200 to -100°C (-328 to -148°F)
Accuracy: Type K thermocouple ITS-90
  ±(0.1% rdg +1°C): -60 to 1372°C (-76 to 2500°F)
  ±(0.1% rdg +2°C): -200 to -60°C (-328 to -76°F)
Operating Temperature: 0 to 50°C (32 to 122°F)
Power: 2 “AAA” batteries (included)
Battery Life: 250 hours typical with alkaline batteries
Dimensions: 24.7 x 50.9 x 132.9 mm (0.98 x 2.0 x 5.2“)
Weight: 148 g (5.2 oz)
Comes complete with batteries, carrying strap, protection cap, and thermocouple.

Infrared Thermometer
HHC210
✓ Laser Sighting
✓ Field of View 6:1
✓ Adjustable Emissivity 0.1 to 1.00
✓ Display IR Temperature, Ambient Temperature and IR-Ambient Differential Temperature
✓ Functions: Hold/Min/Max/Max-Min/AVG
✓ Auto Power-Off (10 Minutes)
✓ Backlight with Auto-Off (15 Seconds)

Specifications
Units: °C or °F
Infrared Temperature:
  FOV: 100 mm (4“) @ 600 mm (24“)
  Range: -30 to 550°C (-22 to 1022°F)
Resolution: 0.1°
Accuracy:
  ±2°C: -30 to 100°C (-22 to 212°F)
  ±2% rdg: 101 to 550°C (214 to 1022°F)
Air Temperature:
  Range: -20 to 60°C (-4 to 140°F)

Accuracy:
  ±0.5°C: 0 to 45°C (32 to 116°F)
  ±1°C: -20 to 0°C (-4 to 32°F);
       45 to 60°C (116 to 140°F)
Operating Temperature: 0 to 50°C (32 to 122°F)
Power: 2 “AAA” batteries (included)
Battery Life: 40 hour with laser typical with alkaline batteries
Dimensions: 24.7 x 50.9 x 132.9 mm (0.98 x 2.0 x 5.2“)
Weight: 148 g (5.2 oz)
Comes complete with batteries, carrying strap, and protection cap.
Differential Manometer
HHC280
✓ 0 to 40 inH2O/0 to 100 hPa
✓ HVAC System Troubleshooting
✓ Gas Pressure Measurements
✓ Compliant for Pitot Tubes for Measuring Air Velocity
✓ Dual Inputs P1 and P2
✓ Functions: Hold/Min/Max/Max-Min/AVG
✓ Auto Power-Off (10 Minutes)
✓ Backlight with Auto-Off (15 Seconds)

Specifications
Eight Selectable Units: mmH2O, mmHg, psi, inH2O, inHg, hPa, mbar, Pa, plus m/s and fpm (for air velocity)
Range: 0 to 100 hPa/0 to 1019.7 mmH2O
Resolution: 0.1 hPa/0.1 mmH2O
Accuracy:
±0.03 hPa (0 to 0.30 hPa)
±0.05 hPa (0.31 to 1.00 hPa)
±0.1 hPa + 1.5% or rdg (rest of range)
±0.3 mmH2O (0 to 3.0 mmH2O)
±0.5 mmH2O (3.1 to 10.2 mmH2O)
±1.02 mmH2O + 1.5% of rdg (rest of range)
Operating Temperature: 0 to 50°C (32 to 122°F)
Power: 2 “AAA” batteries (included)
Battery Life: 85 hours typical with alkaline batteries
Dimensions: 24.7 x 50.9 x 132.9 mm (0.98 x 2.0 x 5.2”)
Weight: 113 g (4.0 oz)
Comes complete with batteries, carrying strap, and protection cap.

Absolute Pressure Meter
HHC281
✓ High Accuracy Absolute Pressure Measurement
✓ Barometric and Altitude Measurement
✓ Calculation of Barometric Pressure
✓ Functions: Hold/Min/Max/Max-Min/AVG
✓ Auto Power-Off (10 Minutes)
✓ Backlight with Auto-Off (15 Seconds)

Specifications
Eight Selectable Units: hPa, mbar, Pa, mmH2O, mmHg, inH2O, inHg, psi, plus m and ft (for altitude)
Range: 300 to 1200 hPa
Resolution: 0.1 hPa
Accuracy: ±3 hPa
Operating Temperature: 0 to 50°C (32 to 122°F)
Power: 2 “AAA” batteries (included)
Battery Life: 600 hours typical with alkaline batteries
Dimensions: 24.7 x 50.9 x 132.9 mm (0.98 x 2.0 x 5.2”)
Weight: 120 g (4.2 oz)
Comes complete with batteries, carrying strap, and protection cap.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Range</th>
<th>Resolution</th>
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<tbody>
<tr>
<td>mmH2O</td>
<td>0 to 1019.7</td>
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<tr>
<td>mmHg</td>
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<td>psi</td>
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<td>inH2O</td>
<td>0 to 40.14</td>
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<tr>
<td>inHg</td>
<td>0 to 2953</td>
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<tr>
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<tr>
<td>mbar</td>
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<td>*</td>
<td>1</td>
</tr>
<tr>
<td>m/s</td>
<td>*</td>
<td>0.1</td>
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Comes complete with batteries, carrying strap, and protection cap.
RPM/Light Measurement

Light Meter
HHC230
- Measures Light Intensity
- Wide Measuring Range 0 to 200,000 lux
- Spectral Response f<8%
- Based on CIE Standard Illuminant A (2856K)
- Functions: Hold/Min/Max/Max-Min/AVG
- Auto Power Off (10 Minutes)
- Backlight with Auto-Off (15 Seconds)

Specifications
- Range: 0 to 200,000 lux; 0 to 18,580 fc
- Accuracy: ±3% rdg + 10 digits (based on a light source 2856K)
- Resolution: 1 lux (0 to 19999), 10 lux (20,000 to 200,000), 1 fc (0 to 18,580)
- Units: lux/fc
- Operating Temperature: 0 to 50°C (32 to 122°F)
- Typical Light Intensity Ranges (lux):
  - Design/General Office: 1500 to 2000
  - Meeting Room: 300 to 750
  - Precision Assembly: 1500 to 3000
  - R&D Department: 750 to 1500
  - Packing/Measurement/Hallway: 300 to 750
- Power: 2 “AAA” batteries (included)
- Battery Life: 180 hours typical with alkaline batteries
- Dimensions: 24.7 x 50.9 x 132.9 mm (0.98 x 2.0 x 5.2”)
- Weight: 116 g (4.0 oz)

Light Meter
HHC230 shown smaller than actual size.

RPM Meter
HHC250
- Non-Contact Optical RPM Measurement
- Wide Measuring Range up to 99999 rpm with LED Spot Marking and Reflective Tape on Object
- Measuring Range Up to 40 cm (15.7”)
  (Depending on Ambient Light)
- Functions: Hold/Min/Max/Max-Min/AVG
- Auto Power-Off (10 Minutes)
- Backlight with Auto-Off (15 Seconds)

Specifications
- Range: 100.0 to 99999
- Accuracy: ±0.02% of rdg + 1 digit
- Resolution:
  - 0.1 rpm: 100.1 to 19999.9 rpm
  - 0.1 rps: 1.7 to 333.3 rps
  - 1 rpm: 20,000 to 99,999
  - 1 rps: 334 to 1666 rps
- Units: rpm/rps
- Operating Temperature: 0 to 50°C (32 to 122°F)
- Power: 2 “AAA” batteries (included)
- Battery Life: 30 hours typical with alkaline batteries
- Dimensions: 24.7 x 50.9 x 132.9 mm (0.98 x 2.0 x 5.2”)
- Weight: 110 g (3.9 oz)

RPM Meter
HHC250 shown smaller than actual size.

Comes complete with batteries, carrying strap, protection cap, and reflective tape (5 each).
Hygro-Anemometer

HHC261
- 0.4 to 20 m/s (80 to 4000 ft/min)
- High Accuracy Air Flow Measurement
- Built-In Ambient Temperature Measurement
- Wind Chill Temperature (WCT) Indicator
- Integrated Flow Vane
- Humidity with Dew Point and Wet Bulb
- Functions: Hold/Min/Max/Max-Min/AVG
- Auto Power-Off (10 Minutes)
- Backlight with Auto-Off (15 Seconds)

Specifications

Air Velocity:
- Range: 0.4 to 20 m/s (80 to 4000 ft/min)
- Accuracy: ±0.2 m/s + 2% of rdg; ±0.40 ft/min + 2% of rdg
- Resolution: 0.1 m/s, 1 ft/min
- Units: beau, m/s, ft/m, mph, km/h, WCT, kts

Air Temperature:
- Range: -20 to 60°C (-4 to 140°F)
- Accuracy:
  - ±0.5°C: 0 to 45°C (32 to 113°F)
  - ±1°C: -20 to 0°C and 45 to 60°C
    (-4 to 32°F) and (113 to 140°F)
- Resolution: 0.1°C/°F

Humidity:
- Range: 0 to 100% RH
- Accuracy:
  - ±2.5%: 10 to 90% RH
  - ±5%: 0 to 10% RH and 90 to 100% RH
- Operating Temperature: 0 to 50°C (32 to 122°F)

Power: 2 “AAA” batteries (included)

Battery Life: 50 hours typical with alkaline batteries

Dimensions: 24.7 x 50.9 x 132.9 mm (0.98 x 2.0 x 5.2”)

Weight: 119 g (4.2 oz)

Comes complete with batteries, carrying strap, and protection cap.

All Models Include Slip-Off Hard Cover Shell