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.

HHC201 shown smaller than actual size.

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)**

HHC210 shown smaller than actual size.

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.

Pressure Measurement

HHC280 shown smaller than actual size.

Differential Manometer

HHC280

- ✔ 0 to 40 inH$_2$O/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: mmH$_2$O, mmHg, psi, inH$_2$O, inHg, hPa, mbar, Pa, plus m/s and fmp (for air velocity)

Range: 0 to 100 hPa/0 to 1019.7 mmH$_2$O

Resolution: 0.1 hPa/0.1 mmH$_2$O

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 mmH$_2$O (0 to 3.0 mmH$_2$O)
±0.5 mmH$_2$O (3.1 to 10.2 mmH$_2$O)
±1.02 mmH$_2$O + 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.

HHC281 shown smaller than actual size.

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, mmH$_2$O, mmHg, inH$_2$O, 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.

Unit	Range	Resolution
mmH$_2$O	0 to 1019.7	0.1
mmHg	0 to 75.00	0.01
psi	0 to 1.450	0.001
inH$_2$O	0 to 40.14	0.01
inHg	0 to 2953	0.001
hPa	0 to 100.00	0.01
mbar	0 to 100.00	0.01
Pa	0 to 10000	1
FPM	*	1
m/s	*	0.1

RPM/Light Measurement

Light Meter

HHC230

1 YEAR WARRANTY **CE**

- ✔ **Measures Light Intensity**
- ✔ **Wide Measuring Range 0 to 200,000 lux**
- ✔ **Spectral Response ƒ<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)

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

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)**

1 YEAR WARRANTY **CE**

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)

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

HHC250 shown smaller than actual size.

Air Flow/Humidity/Dew Point/Wet Bulb

NEW®

Hygro-Anemometer

1 YEAR WARRANTY CE

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)

HHC261 shown smaller than actual size.

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

HHC201 shown closed with included cover.

HHC201 shown with included cover.