



INFORMATION & SPECIFICATIONS DATA SHEET

TEMPERATURE & PROCESS INSTRUMENTS INC

HD-100S Relative Humidity, Dew Point and Temperature Thermo-Hygrometer Hand Held Meter

The New advanced HD-100S Thermo-Hygrometer is a hand held meter which features a highly accurate, durable, compact and user-friendly instrument. Capable of measure Relative Humidity, Dew Point and Ambient Temperature the HD-100S is designed to meet the needs of testing professionals in ANY Air Quality applications and is ideal for inspections of Hospitals, Laboratories, Greenhouse, Offices, Commercial, Residential HVAC systems applications.

- Measure Humidity, Dew Point and Temperature
- Selection of units (Temperature and Dew Point)
- Minimum and maximum values
- Adjustable automatic shut-off
- Large ICE BLUE Backlight Display
- IP54 Housing

Specifications

Relative Humidity Range: 5 to 95%

Accuracy* (Repeatability, linearity, hysteresis): ±1.8% RH (from 15°C to 25°C)

Resolution: 0.1%

Factory calibration uncertainty: ±0.88 % RH

Temperature dependence: ±0.04 x (T-20) %RH (if T<15°C or T>25°C)

Dew Point

Range: -40 to +158°F

Accuracy: ±0.8% of reading ±0.6°F

Resolution: 0.1° F/C

Ambient Temperature Range: -40 to +158°F (-40 to +70°C)

Accuracy: ±0.4% of reading ±0.3°F

Resolution: 0.1° F/C

Measuring Element Hygrometry and temperature: CMOS sensor

Display: 2 lines, LCD technology. Size: 50 x 34.9 mm 1 line of 5 digits with 7 segments (value), 1 line of 5 digits with 16 segments (unit)

Housing: Shock-proof ABS, IP54 protection

Keypad: Metal-coated with 5 keys



Cable: retractable, length 18" (450 mm), up to 8' (2.4 m) when released

Conformity: electromagnetical compatibility (NF EN 61326-1 guideline)

Power supply: 1 alkaline battery 9V 6LR61 Included

Operating temperature: 0 to 122°F (-18 to 50°C), instrument

Operating temperature: 0 to 176°F (-18 to 80°C), probe

Storage temperature: -4 to +176°F (-18 to 80°C)

Auto shut-off: 0 to 120 Minutes Programmable

Weight: 6.7 oz

Languages: English, French

Order Information

Part Number	Description	Price
HD100S	HD-100S Relative Humidity, Dew Point and Temperature Thermo-Hygrometer Hand Held Meter	\$350.00

Each Unit Includes: Integral 12" long probe, 9 V battery, and instruction manual.

* Price Subject to change without notice, please visit our web site for the latest pricing and specifications

Temperature & Process Instruments Inc.

1767 Central Avenue * Suite 112 * Yonkers * NY * USA * 10710 * Phone: (914)673-0333 Fax: (866) 292-1456

Visit us on the web at www.tnp-instruments.com