

PRECISION PORTABLE HYGROMETER

Model : HTD 200



INTRODUCTION

HTD 200 is a Precision handheld relative humidity, Temperature and dew point or frost point Temperature Indicator with data logging facilities to record the live data and optional system interface software is provided to analysis the recorded data in graphical and record format. The HTD 200 is suitable for Reference standard in Calibration laboratories, HVAC applications, manufacturing or storage areas in all Industries with in the Temperature & Humidity range of -40 to 85°C / 0 to 100% RH.

APPLICATIONS

- ☐ Calibration & Testing Laboratories
- ☐ Pharmaceutical Industry
- ☐ Food Industry
- ☐ Agriculture Industry
- ☐ Server rooms
- ☐ Hospitals, etc.,.

FEATURES

- ✓ 2.8" TFT display with Touch screen
- ✓ Wide Temperature & Humidity range
- ✓ Accuracy at 23 °C ± 5 °C : ± 0.2 °C / ±0.8% RH
- ✓ Resolution 0.01°C / 0.01 % RH
- ✓ Inbuilt data logging with huge memory space
- ✓ Wide temperature range of probes are available on request
- ✓ Portable & Rugged with carrying case
- ✓ Psychometric converted indication of Dew point, Wet bulb temperature, Vapor partial pressure etc.,.
- ✓ Built in rechargeable polymer Li-ion battery with charger
- ✓ ISO/IEC 17025 Accredited Calibration certificate
- ✓ Optional PC Interface software for Data analysis.

Technical Specifications

Model	HTD 200
Display	2.8" True colour TFT display with touch screen
Range Temperature: Humidity:	-40 to 85 °C 0 to 100% RH
Resolution	0.01 °C / 0.01 % RH
Accuracy at 23 °C ± 5 °C	±0.2°C / ±0.8 % RH
Psychometric calculated indication	Dew / Frost point (Dp / Fp) Wet Bulb Temperature (Tw) Vapour partial pressure (E) Vapour Saturation pressure (Ew) Mixing ratio by weight (dry) (g / kg) Enthalpy (H) (KJ / kg) Specific Humidity (moisture) (g / kg) Absolute Humidity (moisture) (g / m ³) Volume mixing ratio (dry) (ppm)
Calculation method	WMO method
Display refresh rate	1 s (typical)
Calibration	5 point lookup table for both Temperature & Humidity
Alarm	Audible & Visible user settable individual High & Low alarm set with alarm mode selection for all the 3 parameters
Touch sound	On / Off option available
Logging interval	1 sec to 24 Hrs programmable
Memory capacity	4 to 32 GB Internal storage

Data download	Via USB
Battery charging port	USB C type
Integrated battery	3.7V / 10,000 mAh Inbuilt rechargeable polymer Li-ion battery
Backlight time interval	0(OFF) to 59 mins : 59 secs (user adjustable)
Brightness adjustment	10 to 100% (user adjustable)
Application environment range	-10 to 60 °C / 0 to 100% RH (non condensed)
Storage environment range	-10 to 45 °C / 10 to 90% RH
Housing material	ABS with anti-slip grip silicon cover
Protection class	IP40
Overall Dimension in mm	35 x 80 x 165 mm (L x B x H)
Instrument Weight	560 g (Approx.)

Note: Due to continuous product improvements, Published specifications may change with out notice
***Refer Rotronics Probe model number: XD33A – S3X**

Standard Delivery

1. Basic Instrument with sensor 2m cable
2. Charger with cable
3. Instruction manual
4. Traceable calibration certificate

Optional

1. Carrying case
2. ISO/IEC 17025 Accredited Calibration certificate
3. PC Interface software



SANSEL INSTRUMENTS AND CONTROLS SANSEL CALIBRATION LABORATORIES LLP

ISO/IEC 17025 Accredited Calibration Laboratory by NABL CC - 2879
(Thermal, Mechanical, Electro-Technical, Dimension Parameters)

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