

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.,.

Key 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)
- ✓ 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	±0.2°C / ±0.8 % RH (at 23 °C ± 5 °C)
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	Multipoint Calibration feature available
Alarm	Audible & Visible user settable individual High & Low alarm set with alarm mode selection
Touch sound	On / Off option available
Data logging interval *	1 sec to 24 Hours (user selectable) (Only for HTD 200-A)
Data download *	Via USB C-type to PC software (Sansel-Soft-01) (Only for HTD 200-A)

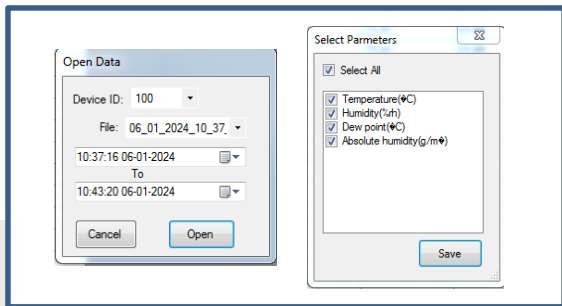
Battery charging port	USB C type
Integrated battery	3.7V / 10,000 mAh Inbuilt rechargeable polymer Li-ion battery
Backlight time interval	OFF to 59 mins : 59 secs (user adjustable)
Brightness adjustment	10 to 100% (user adjustable)
Application environment range	-10 to 60 °C / 0 to 100% RH (non condensed)
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**

Model identification & ordering code

Ordering Code	Standard Model (Without Logger)	* Advanced Model (With Data Logger)
	HTD 200	HTD 200-A

SANSEL Soft 01 (version 1.0)



Sansel Soft 01 is the ultimate data analysis software designed to import data from **HTD 200-A models**. It enables ultra-fast downloading of stored data and converts it into visually compelling graphs through a user-friendly interface. Customize and enhance your visualizations, apply filters, and print directly from the tool. Perfect for laboratories, research institutes, hospitals, and food industries, Sansel Soft 01 is your go-to solution for powerful and easy data visualization. Where data meets design, Sansel Soft 01 delivers insights at your fingertips.

Note: HTD 200-A is an ordering code indicating the model with built-in data logger.

Features

- ✓ Ultra fastest download data's in fraction of seconds from HTD 200-A model to PC local database & analyze.
- ✓ Data Report & Graph view with user selectable parameters for both USB connected HTD 200-A instrument's storage data and old Database stored data's in local PC.
- ✓ Report export in CSV & PDF format.
- ✓ Graph export in PNG & PDF format.
- ✓ Easy customized filter option available based on both Report & Graph view by Date & time for selected parameters.
- ✓ User selectable report Title, subtitle & logo for both Report & Graph.
- ✓ User selectable graph Title, X-label, Y-label, maker scale, Auto scale.
- ✓ Multiple HTD 200-A Model possible to connect and download data one by one in single software.
- ✓ Software license key protection available to protect your software to misuse by unauthorized user in different PC.

Standard Delivery

1. Basic Instrument with sensor 2m cable
2. Charger with cable
3. Instruction manual

Optional

1. Protective Carrying Case
2. SANSEL-SOFT-01 software for HTD 200-A
3. ISO/IEC 17025 Accredited Calibration Certificate

Important

Logged data can be downloaded, analysed, and printed only using the SANSEL-SOFT-01 software. Without this software, data retrieval is not possible



Carrying case



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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