Portable USB Temperature/Humidity Probe

Description

The Portable USB Temperature and Humidity Probe combines high accuracy temperature and humidity sensors into a rugged stainless steel probe with built in USB interface. The probe can be used with Windows based PC's or Android devices that support On-The-Go communications. To use with an Android device simply download the free App from Google Play, plug the probe into your device with the supplied interface cables and start the application. The probe receives its power from the host USB device. Real time data is displayed and can be stored for review on the PC using a spread sheet or review data graphically using our free Track-It™ data logger software. Available in 300mm or 450mm (12" or 18") lengths. The probe comes standard with a free flow Delrin cap. Optional sintered stainless steel filter caps are available for measuring dry bulk material or for use in dusty/ dirty environments.



Features

- Rugged stainless steel construction
- 6.5' (2 meter) USB cable included
- Android On-The-Go cable included
- Humidity range 0 to 100%
- Dew point calculation
- Temperature range –40° to 85°C
- Low power consumption

- High accuracy and repeatability
- High reliability
- Available in two lengths
- Optional sintered filter caps for use in dry bulk or dusty/dirty environments
- N.I.S.T. calibration certificate available

Typical Uses

- HVAC spot checking
- Industrial process
- Storage facilities
- Building energy management
- Dry bulk material measurement
- Clean rooms
- Environmental monitoring
- Data centers
- Greenhouse/Agriculture

- Food and beverage
- Laboratories
- Computer rooms
- Process air
- Environmental chambers

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- Incubators
- Dryers
- Dehumidifier/dew point controllers







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Specifications

Temperature

Parameter	Conditions		Units
Range:		-40 to 85*	°C
		-40 to 185*	°F
Accuracy:	0 to 100	±0.2	°C
		±0.4	°F
Output:	Serial USB		

^{*}Range applies to sensor end of probe only

Relative Humidity

Parameter	Conditions		Units
Range:		0-100	%RH
Accuracy (@25°C):	10 to 90	±1.2	%RH
Repeatability:		±0.1	%RH
Response:	Tau at 63%*	10	Sec

^{*}With standard slotted cap



Ordering Information 6184-010 12" Temperature/Humidity probe with 2 meter USB interface cable and Android On-The-Go cable 6184-010-CAL 12" Probe above with N.I.S.T. Calibration Certificate 6184-011 18" Temperature/Humidity probe with grip, 2 meter USB interface cable and Android On-The-Go cable 6184-011-CAL 18" Probe above with N.I.S.T. Calibration Certificate 6184-901 Sintered filter cap (30-45 micron) 6184-902 Sintered filter cap (60-90 micron) 6184-910 Protective carry case for USB Temp/Humidity probe

App/Software

The Portable Temperature Humidity Probe includes a suite of free software products that enhance your ability to measure, record, analyze, trend and print historic data. Begin by installing and using either the TH Probe Android App or the TH Probe PC

Software. View and record real time digital temperature, humidity and dew point data and then use our free Track-It™ data logger software to view historic data in graphic format.



Scan code or Download free Android App here: https://play.google.com/store/apps/details? id=com.trackit.thProbe&hl=en

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Android App

THProbe PC Software



Download the free PC software here: www.monarchinstrument.com/Software/ THProbe_Software.zip

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Track-It™ Software