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.

Android device not included

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**
- **Incubators**
- **Dryers**
- **Dehumidifier/dew point controllers**

MONARCH INSTRUMENT

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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

Optional Stainless Steel Filter Caps

18" probe with grip

12" probe

Ordering Information

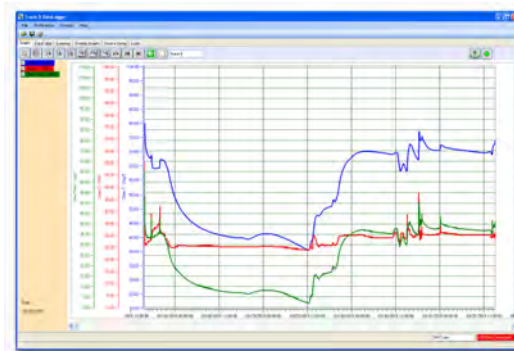| Part No.	Description
6184-010	12" Temperature/Humidity probe with 2 meter USB interface cable and Android On-The-Go cable
6184-010-CAL	12" Probe above with N.I.S.T. Calibration Certificate
6184-011	18" Temperature/Humidity probe with grip, 2 meter USB interface cable and Android On-The-Go cable
6184-011-CAL	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.

THProbe PC Software

Track-It™ Software

Android App