

NEW

Traceable® Memory-Card Humidity/Temperature/Dew Point

It records readings from once a minute up to once every 720 minutes on a SD memory card



- Datalogging capabilities that can capture 5.9 million readings with 256 mb removable SD memory card
- Visual and audible alarms indicate when temperature, humidity or dew point rises above and falls below user-defined set points
- USB memory card reader plugs directly into Windows and Mac—no software to install to retrieve date/time of day and readings of sensors
- Supplied: 256 mb SD memory card, USB memory card reader, magnetic strips, Velcro®, wall mount, bench stand, batteries, adaptor, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Dew Point
6404	Humidity: 0.0 to 90.0% RH	0.1%	±5% RH at 25°C between 20 to 85% RH; ±7% RH elsewhere	-20.0 to 50.0°C with 0.1° resolution
	Temperature: 0 to 50.0°C	0.1°	±1°C	

NEW

Traceable® Digital Humidity/Temperature/Dew Point Meter

Convenient triple memories recall minimum/maximum readouts for relative humidity, dew point, and temperature



- Audible and visual LED alarm may be set to trigger at three different humidity readings (55%, 60% or 65%)
- Solid state sensors deliver response times of less than 30 seconds, °F/°C switchable
- Supplied: wall mount, batteries, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Dew Point
4800	Humidity: 1 to 99% RH	0.1%	±3% mid-range, ±5% elsewhere	14 to 140°F (-10 to 60°C)
	Ambient Temperature: 14 to 140°F (-10 to 60°C)	0.1°	±1°C	

Humidity Selection Chart

Cat. No.	Page No.	Traceable® Certificate Supplied	Relative Humidity Range	Resolution	Accuracy	Temperature Range	Resolution	Accuracy	Battery	Features
4080	48	Yes	10.00 to 95.00% RH	0.01% RH	±1.5% RH	-40.0 to 104.4°C	0.01°	±0.4°C	1112	Also reads dew point
4082	50	Yes	25 to 95% RH	1% RH	±2% RH	-50 to 70°C	0.1°	±1°C	1111	Remote sensor with memory
4085	48	Yes	5.00 to 95.00% RH	0.01% RH	±1.5% RH	-40.0 to 104.4°C	0.01°	±0.4°C	1112	Response time of 10 seconds
4087	47	Yes	10.0 to 95.0% RH	0.01% RH	±1.5% RH	0.0 to 50.0°C	0.01°	±0.4°C	1112	Simple point/read technology
4093	47	Yes	20 to 95% RH	1% RH	±3.5% RH	0.0 to 50.0°C	0.1°	±1°C	1105	Pen shape
4094	47	Yes	25 to 95% RH	1% RH	±2% RH	0 to 50°C	1°	±1°C	1105	Compact size
4096	47	Yes	25 to 95% RH	1% RH	±2% RH	0 to 50°C	1°	±1°C	1105	Dual min/max memories
4154	50	Yes	20 to 99% RH	1% RH	±5% RH	-50.0 to 70.0°C	0.1°	±1°C	1105	Remote humidity sensor
4180	49	Yes	10 to 95% RH	0.1% RH	±3% RH	-20 to 60°C	0.1°	±1°C	1105	Hard-copy results
4184	50	Yes	10 to 95% RH	0.1% RH	±2% RH	-50 to 70°C	1°	±1°C	1105	Jumbo digits
4185	49	Yes	10 to 95.0% RH	0.1% RH	±2% RH	-18 to 93°C	0.1°	±1°C	1112	Computer-output
4186	51	No	0 to 100% RH	1% RH	n/a	-40 to 50°C	1°	n/a	n/a	No maintenance required
4187	47	Yes	10.0 to 95.0% RH	0.1% RH	±2.5% RH	-20.0 to 60.0°C	0.1°	±1°C	1112	Recorder output
4189	49	Yes	10.0 to 95.0% RH	0.01% RH	±3% RH	0.0 to 50.0°C	0.01°	±1°C	1112	Computer-output
4192	51	Yes	0 to 100% RH	10% RH	±5% RH	n/a	n/a	n/a	n/a	Humidity card (pack of six)
4380	48	Yes	25 to 90% RH	1% RH	±2% RH	-20 to 60°C	0.1°	±1°C	1111/1105	Radio-signal from remote
4385	49	Yes	0 to 95.0% RH	0.1% RH	±2% RH	-18 to 93°C	0.1°	±1°C	1112	Computer-output
4392	48	Yes	0 to 100.0% RH	0.1% RH	±3% RH	-20.0 to 50.0°C	0.1°	±1°C	1105	Dew point, min/max
4410	50	Yes	1 to 99% RH	0.1% RH	±4% RH	-40 to 70°C	0.1°	±1°C	1105	Dew point and wet-bulb monitor
4800	46	Yes	1 to 99% RH	1% RH	±3% RH	-10 to 60°C	1°	±1°C	1105	RH Alarm and reads Dew point
6404	46	Yes	0.0 to 90.0% RH	0.1% RH	±5% RH	0 to 50.0°C	0.1°	±1°C	1111	Datalogger with Memory card

Traceable to NIST for accuracy: To assure accuracy, all Traceable® Hygrometers, Barometers, Anemometers are provided with an individually serial-numbered Traceable® Certificate is provided from our ISO/IEC 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology).

Traceable® Digital Humidity/Temperature Meter

TOP SELLER

Continuously and simultaneously displays relative humidity and temperature with dual-recall memories

- Ideal for routine measurements, monitoring round-the-clock, quality-control needs, and critical experimental requirements
- Minimum and maximum memories can be displayed or cleared at any time with the touch of a key
- Fulfills CLIA requirements, °F/°C switchable
- Supplied: wall mount, bench, stand, batteries, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Features
4096	Humidity: 25 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere	MIN/MAX memory
	Temperature: 32 to 122°F (0 to 50°C)	1°	±1°C	
4094	Humidity: 25 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere	Display is updated once per second
	Temperature: 32 to 122°F (0 to 50°C)	1°	±1°C	



Traceable® Humidity/Temperature Pen

Quickly view temperature and relative humidity with dual-recall memories

- Meets Federal Government CLIA requirement 493.1252
- Easy to carry due to handy pocket clip
- Response time is less than 6 seconds, °F/°C switchable
- Supplied: battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4093	Humidity: 20 to 95% RH	0.1%	±3.5% RH mid-range to ±5.5%
	Temperature: 32.0 to 122°F (0.0 to 50°C)	0.1°	±1°C



Traceable® General-Purpose Hygrometer/Thermometer

Perfect quality-control unit displays accurate answers for every air measurement

- Easy-to-operate unit features a DATA HOLD switch allowing readings to be captured and noted
- Unit is self-contained with built-in humidity and temperature sensors, °F/°C switchable
- Response times vary from 30 seconds to 3½ minutes
- Supplied: battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4087	Humidity: 10.00 to 95.00% RH	0.01%	±1.5%
	Temperature: 32.0 to 122.0°F or 0 to 50°C	0.01°	±0.4°C at tested points

Accessories

4237	Data Acquisition System (for additional information see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)



Traceable® Humidity/Temperature Meter

Hand-held, compact unit is easy to operate

- Memory captures 99 data points which can be recalled on demand
- Response time is 30 seconds to 5 minutes depending on environment, °F/°C switchable
- Large ½-inch digits can be read from 10 feet away
- Precision thin-film capacitance sensor updates the display 3 times per second
- Supplied: battery, tripod-mount, hard carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4187	Humidity: 10.0 to 95.0% RH	0.1%	±2.5% RH mid-range to ±5% RH elsewhere
	Temperature: -4.0 to 140.0°F (-20.0 to 60.0°C)	0.1°	±0.1°C



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4380



4381



4085



4080

Traceable® Radio-Signal Remote Humidity/Thermometer

Monitors humidity and temperature up to 100 feet away

- Unit feature high/low alarms, °F/°C switchable
- Data is transmitted every 30 seconds
- Trend indicators show if humidity is rising or falling
- Additional Traceable Humidity/Thermometer Remote Sensor Module (Cat No. 4381); may be set to channel 1, 2, or 3; total of three modules may be used with main unit 4380
- Supplied: battery, carrying case, flip-open stand, wall brackets, one remote sensor module Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4380	Humidity: 25 to 90% RH	1%	±2% RH mid-range to ±4% RH elsewhere
	Temperature: -4 to 140°F (-20 to 60°C)	0.1°	±1°C

Accessories

4381	Additional Traceable® Humidity/Thermometer Remote Sensor Module
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Traceable® Pocket Hygrometer/Dew Point/Thermometer

Humidity, dew point, temperature display—sensor not affected by condensation

- Unit may be used in 100% humidity, °F/°C switchable
- Full range response time of 30 seconds to 1 minute
- Supplied: Traceable® Certificate, battery, hard carrying case

Cat. No.	Range	Resolution	Accuracy
4392	Humidity: 0 to 100.0% RH	0.1%	±3% RH mid-range to ±4% RH elsewhere
	Temperature: -20.0 to 50.0°C (-4.0 to 122°F)	0.1°	±1°C
	Dew point: -20.0 to 50.0°C (-4.0 to 122°F)	0.1°	±1°C

Traceable® Humidity/Temperature/Dew Point Meter

Resolution of 0.01% relative humidity—ideal for QC labs, ISO 9000 environments and Research & Development

- Ideal for hoods, clean rooms, food storage, process control, incubators, desiccators, drug manufacturing, environmental chambers, corrosion analysis, inside/outside air monitoring
- Fulfills federal CLIA requirements
- Memory recalls minimum and maximum readings at any time, °F/°C switchable
- High and low alarms can be programmed for dew point, temperature and humidity
- Computer output permits data to be captured, transferred, stored and printed with DAS software
- Under 10 second response time
- Probe: 7-inch length x 0.4 inch diameter; cable: 72 inches
- Supplied: computer output, battery, Traceable® Certificate

Cat. No.	Range	Response time	Resolution	Accuracy	Probe
4085	Humidity: 5.00 to 95.00% RH	10 seconds	0.01% RH	±1.5% RH	Stainless-steel: 7-inch length x 0.4 inch diameter; cable: 72 inches
	Temperature: -40.00 to 220.0°F (-40.00 to 104.0°C)	—	0.01°	±0.4°C (0 to 40°C) elsewhere 1°C	
	Dew Point: -40.00 to 140.0°F (-40.00 to 60.00°C)	—	0.01°	—	
4080	Humidity: 10.00 to 95.00% RH	30 seconds	0.01% RH	±1.5% RH	Epoxy: 7-inch length x 0.4 inch diameter; cable: 72 inches
	Temperature: -40.00 to 220.0°F (-40.00 to 104.0°C)	—	0.01°	±0.4°C (0 to 40°C) elsewhere 1°C	
	Dew Point: -40.00 to 140.0°F (-40.00 to 60.00°C)	—	0.01°	—	

Accessories

4099	Data Acquisition System (for additional information see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)
4236	AC Adaptor
1523	AC Adaptor, International

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Traceable® Humidity/Thermometer

Unit simultaneously displays humidity or dew point and temperature

- Unit displays Min/max humidity readings and includes a HOLD key to freeze display for later reading
- Records wide humidity variations on a second-to-second basis
- Data logger captures 1000 readings manually at the push of a key or automatically when set between 1 to 3600 secs
- Computer output allows unit to be connect to a computer for data downloading
- Supplied: battery, probe, 40" cable, computer output, carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4189	Humidity: 10.0 to 95.0% RH	0.01%	±3% RH	Size: 8" x 0.66" diameter
	Temperature: 32.0 to 122.0°F (0.0 to 50.0°C)	0.01°	±1°C	

Accessories

4136	Data Acquisition System (for additional information see page 68)
4325	Data Logger (for additional information see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)



Traceable® Memory Hygrometer/Thermometer

Maintain accuracy with do-it-yourself calibration

- Microprocessor-based design provides unparalleled accuracy
- Simultaneously displays both temperature and relative humidity on dual 1½-inch high LCD
- 3 foot cable allows user to retrieve readings from hard-to-reach areas
- Supplied: probe, cable, battery, carrying case, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy
4185	Humidity: 10 to 95% RH	0.1% RH	±2% mid-range, otherwise ±4%
	Temperature: -18 to 93°C	0.1°	±1°C between 0 to 40°C, otherwise ±2°C
4385	Humidity: 10 to 95% RH	0.1% RH	±2.0%
	Temperature: -18 to 93°C	0.1°	±1°C between 0 to 40°C, otherwise ±2°C
	Dew Point: 0 to 50°C	0.1°	±2°C

Accessories

4394	33% Calibration Standard with calibration instructions
4395	75% Calibration Standard with calibration instructions
8045	Data Acquisition System (for additional information see page 68)
7085	Universal Wireless Radio-Signal Transceivers (for additional information see page 68)



Traceable® Printing Hygrometer/Thermometer

Print readings at any programmed time interval from 6 seconds to 59 minutes, 59 seconds

- Provides a permanent record by printing current humidity/temperature/time/date and maximum and minimum readings; also includes the time and date that the readings occurred.
- Fast-response, solid-state sensors detect changes in less than 10 seconds
- Meets CLIA specification 493.1252
- Supplied: T1, T2 Type-K probe, cable, probe holder/stand, carrying case, paper rolls, battery, Traceable® Certificate

Cat. No.	Range	Resolution	Accuracy	Probe
4180	Humidity: 10 to 95%	0.1% RH	±3% RH mid-range to ±5% RH elsewhere	Probe: 3/4" diameter x 6 1/4"; 48" cable
	T1 Temperature: -20.0 to 60.0°C	0.1°	±1°C	
	T2 Temperature: -200 to 1333°C	0.1°C (from -328 to 999.9°F) elsewhere 1°	±(0.2% of reading plus 1.8°C)	Type-K: 0.06" diameter; 48" cable

Accessories

8182	Replacement Printing Paper (pack of 2 rolls)
8183	Adaptor (for AC operation)



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TOP SELLER

Traceable® Jumbo Humidity/Temperature Meter

Jumbo 1½-inch digits display humidity, temperature—read from 35 feet away

- Simultaneously displays ambient relative humidity and (internal probe and external probe) temperatures °F/°C with dual-recall memories
- Both sensor and 10-foot cable perform accurately when under water
- Fulfills CLIA specification 493.1207
- Response time is less than 30 seconds
- Supplied: flip-open stand, wall mount, battery, Traceable® Certificate



Cat. No.	Range	Resolution	Accuracy
4184	Ambient humidity: 10 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere
	Ambient temperature: -32 to 122°F	1°	±1°C
	Probe temperature: -50 to 70°C	1°	±1°C

Traceable® Memory Humidity/Temperature Meter

Simultaneously displays probe temperature, ambient temperature and humidity

- Features: ambient sensor, external sensor, memory recall
- Supplied: plastic stand, wall mount, internal humidity sensor, external/internal temperature sensors, 10-foot cable, batteries, Traceable® Certificate



Cat. No.	Range	Resolution	Accuracy
4082	Ambient humidity: 25 to 95% RH	1%	±2% RH mid-range to ±4% RH elsewhere
	Ambient temperature: 32 to 122°F (0 to 50°C)	1°	±1°C
	External temperature: -58.0 to 158.0°F (-50.0 to 70.0°C)	0.1°	±1°C

Traceable® Remote Alarm RH and Temperature Monitor

Triple display simultaneously shows high, low, and current humidity/temperature readings

- Remote humidity/temperature sensor on a 7-foot cable
- Hi/Lo Alarms, min/max memories
- High/low alarm feature may be set by user in 1% RH or 1° increments
- Perfect for use in hoods, classrooms, stockrooms, environmental chambers and chemical storage areas
- Supplied: battery, external humidity/temperature sensor, flip-open stand, wall-mount, Traceable® Certificate



Cat. No.	Range	Resolution	Accuracy
4154	Humidity: 20 to 99% RH	1%	±5% RH midrange
	Temperature: -58.0 to 158.0°F (-50.0 to 70.0°C)	0.1°	±1°C
	Ambient sensor temperature: 32 to 122°F (0 to 50°C)	1°	±1°C

TOP SELLER

Traceable® Dew Point/Wet-Bulb/Humidity/Thermometer Alarm

Settable high/low alarms for all four readings

- Unit shows current minimum and maximum readings for dew point, wet-bulb, humidity and temperature
- Alarm sounds for 1 minute and red LED flashes until readings return to non-alarm conditions
- Supplied: stand, batteries, wall-mount, Traceable® Certificate



Cat. No.	Range	Resolution	Accuracy
4410	Humidity: 1 to 99% RH	0.1%	±4% between 20 to 80% RH
	Temperature: -40 to 158°F (-40 to 70°C)	0.1° below 100°	±1°C

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