TM26 Waterproof Food Thermometer – NSF Certified

NSF certified Food Thermometer with long stainless steel penetration probe for measuring in liquids, pastes, and semi-solid food

- NSF certified for measuring food
- 4.1" (105 mm) Stainless steel penetration probe with 5 ft (1.5 m) cable
- Measures Temperature from -40°F to 392°F (-40°C to 200°C)
- Audible and visual alarm alerts when temperature level is higher or lower than the user programmed High/Low set points
- LCD displays Temperature reading, alarm indicator and high or low alarm icons
- ±1.8°F/1°C basic accuracy with 0.1° max resolution
- Displays Min/Max reading with reset function
- Data Hold freezes current reading on display
- Low battery indication
- Unit has magnetic back and can be mounted on a metal surface, used on a desktop with included foot stand, or wall mounted
- Waterproof housing and sensor designed to meet IP65
- Dimensions: 3.4x2.2x1.2" (86x57x30 mm) Weight: 3.2 oz (90 g)
- 2-year warranty
- Complete with magentic back, foot stand, temperature sensor, and a CR2032 3 V button battery

NSF certified for measuring in liquids, pastes, and semi-solid food. Ideal for use in food industry, agriculture, and laboratories. Built-in magnet for mounting on metal surfaces.

ORDERING

TM26	Waterproof Food Thermometer

NSF Certified - ensure public health, food safety requirements and standards are met and that products are designed and constructed in a way that promote food safety

TM55 Waterproof Pocket Fold-Up Food Thermometer – NSF Certified

Dishwasher safe construction (IP65) with folding stainless steel probe is NSF certified for measuring liquids, pastes, and semi-solid food

- Measures from -40 to 482°F (-40 to 250°C) with 2.4" (61 mm) stainless steel probe
- Fast response time at < 5 seconds in moving liquid
- Large LCD display with 0.1° resolution
- Basic accuracy: ±1°F/0.5°C
- Auto power off (with disable) after 1 hour or when probe is placed in stored position
- Probe can be positioned from 0° (storage) to 180° angle
- Ultrasonically welded housing (waterproof IP65 rated) with anti-microbial additive
- Built-in magnetized strip attaches to refrigerator
- Dishwasher safe (top rack)
- Dimensions: 4.6x1.5x0.8" (116x38x20 mm); Weight:1.5 oz (41.2 g)
- 2-year warranty
- Complete with CR2032 battery

Adjustable folding probe (0° to 180°) angle

ORDERING

TM55	Waterproof Pocket Fold-Up Food Thermometer

2.4" (61 mm) folding stainless steel probe (NSF certified) for measuring in liquids, pastes, and semi-solid food. Ideal for use in food industry, agriculture, and laboratories.

CALIBRATION TRACEABLE TO NIST

TM20 Waterproof Temperature Indicator

Audible and visual alarm with High/Low set points
• 0.78" (20 mm) stainless steel probe with 9.6ft (2.9 m) cable
• Measures from -40 to 158°F (-40 to 70°C)
• ±1.8°F/1°C basic accuracy
• 0.1° resolution
• Min/Max and Data Hold
• Magnetic back
• Waterproof (IP65) housing
• Dimensi ons: 3.4x2.2x1.2" (86x57x30 mm) Weight: 3.2 oz (90 g)
• 2-year warranty
• Complete with magentic back, foot stand, probe, and one CR2032 3V button battery

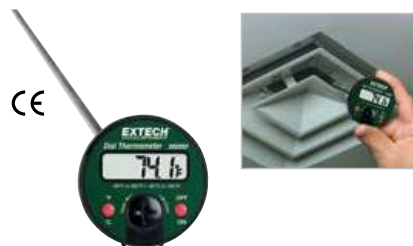| ORDERING	
TM20	Waterproof Temperature Indicator

39240 Waterproof Thermometer

Pocket-size with MAX/MIN recording
• 2.75" (70 mm) Stainless steel stem
• Data Hold and Auto power off
• Range: -40 to 392°F (-40 to 200°C) Basic accuracy: ±2°F/1°C Resolution: 0.1°/1°
• Dimensions: 5.9x0.8x0.7" (150x20x18 mm); Weight: 0.7 oz (20 g)
• 2-year warranty
• Complete with one LR44 button battery and protective cover

ORDERING	
39240	Waterproof Thermometer

401014 Indoor/Outdoor Thermometer

Built-in memory stores Minimum and Maximum Temperature readings
• Large LCD displays 1" (25 mm) digits for indoor/outdoor temperature
• Indoor Range: 14 to 140°F (-10 to 60°C) Outdoor Range: -58 to 158°F (-50 to 70°C) Basic accuracy: ±1.8°F /1°C Resolution: 0.1°F/°C
• Dimensions: 4.4x4x0.9" (112x102x22 mm); Weight: 6.5 oz (186 g)
• 2-year warranty
• Complete with weatherproof temperature sensor with 9.6 ft (3 m) thin cable, stand, AAA battery, and wall mounting bracket

ORDERING	
401014	Big Digit Indoor/Outdoor Thermometer

392050 Penetration Dial Thermometer

Sharp stainless steel probe measures temperature in air, liquids & semi-solids
• 5" (130 mm) probe with 2" (54 mm) dial
• Range: -58 to 302°F (-50 to 150°C) Basic accuracy: ±2°F/1°C Resolution: 0.1°/1°
• ON/OFF switch saves battery life
• Auto Power Off after 1 hour
• Weight: 1 oz (29 g)
• 2-year warranty
• Complete with 1.5 V LR44 battery

ORDERING	
392050	Penetration Dial Thermometer

401014A Indoor/Outdoor Temperature Alert

NEW

Displays indoor/outdoor temperatures and user programmable High/Low alarm for outdoor (external probe) temperature
• Large LCD with easy-to-read 1" (25 mm) digit size
• Temperature Range: Indoor (built-in sensor): 14 to 140°F (-10 to 60°C) Outdoor (external probe): -58 to 158°F (-50 to 70°C)
• 0.1°F/°C resolution and basic accuracy of ±1.8°F (±1°C)
• User programmable High/Low audible alarms for Outdoor Temperature
• Memory stores Min/Max readings
• Water resistant/splash proof sensor with 9.6 ft (3 m) of thin cable for remote temperature measurements
• Dimensions: 4.4x4x0.9" (112x102x22 mm); Weight: 6.5 oz (186 g)
• 2-year warranty
• Complete with internal and attached remote temperature sensor with cable, built-in stand, AAA battery, and wall mounting bracket

ORDERING	
401014A	Big Digit Indoor/Outdoor Temperature Alert

TH30 USB Dual Temperature Datalogger

NEW

Includes Probe and USB cover

CE

Records T1 (Air Temp) and T2 (External Probe Temp) with date/time stamp
- Compact size housing with built-in NTC thermistor and external temperature probe
- Displays readings from -22 to 158°F (-30 to 70°C); Accuracy: ±1.0°F (±0.5°C)
- User programmable settings: 6 languages, sample rate, start delay time, alarm delay time, high/low alarm range, and security feature
- Status Indication via Red and Green LEDs; Max/Min function
- Start button begins continuous datalogging until memory is full at 48,000 readings (24,000 for each parameter: T1 and T2), or when Stop button is pressed
- Bookmark 8 locations in a data recording log with a press of the Mark button
- Long battery life (approx. 3 month continuous reading)
- Generates a PDF report or Excel® spreadsheet when plugged into a PC
- Dimensions/ Weight: 4.3x1.6x0.75" (110x40x19 mm)/1 oz (90 g)
- 2-year warranty
- Complete with (2) CR2032 batteries, cover/stand, TP830 probe, and hanger

ORDERING	
TH30	USB Dual Temperature Datalogger
TP830	0.78" (2 cm) Stainless Steel Thermistor Probe w/ 39" (1 m) cable (-22 to 158°F/-30 to 70°C)
TP832	5.9" (15 cm) Stainless Steel Thermistor Probe with handle and 43" (1.1 m) cable (-22 to 158°F/-30 to 70°C)

THD5 USB Single Use Temperature Datalogger

CE

Includes 10 dataloggers

Ideal for monitoring temperature readings for food, pharmaceuticals, and other cold chain goods during shipment.

Portable, one-time use USB Temperature Datalogger (USB 2.0 connector)
- Convenient credit card-sized housing with USB 2.0 connector and NTC thermistor for one-time use in datalogging accurate temperature measurements
- Waterproof (IP65) when in sealed plastic bag
- User programmable settings: language, sample rate, start delay time, alarm delay time, high/low alarm range, and security feature
- Status Indication via Red and Green LEDs
- Start button begins datalogging until memory is full or when Stop button is pressed
- Bookmark 8 locations in a data recording log with a press of the Mark button
- Automatically generates a PDF report with data and trending graph when plugged into a PC after datalogging is completed (Adobe® Reader® software is required)
- Complete with 10 datalogging units; each with a CR2032 button battery (approx. 1-year life) and plastic bag; 2-year warranty

  NOTE: Each datalogger is good for one-time use

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
Temperature	-22 to 158°F (-30 to 70°C)	0.1°	±1.8°F (1°C)
Datalogging interval	30 s, 5 min, 10 min, 30 min, 60 min, 90 min, 120 min		
Start/Alarm Delay Time	0, 5 min, 30 min, 45 min, 60 min, 90 min, 120 min		
Alarm Mode	Single Event, Cumulative, Disable		
Languages	English, German, French, Italian, and Spanish		
Memory Storage	8,192 readings		
Dimensions/Weight	3.2x1.7x0.1" (80x43x2.5 mm)/0.4 oz (10 g)		

ORDERING	
THD5	USB Temperature Datalogger (10 units/pack)

A **B** **C**

A. Plug into a PC to adjust the settings (requires Adobe® Reader® software) B. Put the Datalogger back inside plastic bag and seal the opening, then place in an area where temperature is to be monitored and press START for the unit to start recording C. When datalogging duration is completed, plug back into a PC where it will automatically generate a PDF report.

CALIBRATION TRACEABLE TO NIST

TH10 USB Temperature Datalogger

Datalogs up to 32,000 Temperature readings and has USB interface for easy data downloading to a PC
- Selectable data sampling rate: 2 seconds to 24 hours
- User-programmable alarm thresholds
- Measures from -40 to 158°F (-40 to 70°C); Accuracy: ±1.8°F/1°C
- 1-year battery life
- Dimensions: 5.1x1.1x0.9" (130x30x25 mm); Weight: 1 oz (20 g)
- 2-year warranty
- Complete with 3.6 V Lithium battery, protective USB cap, mounting bracket, and Windows® compatible software for analysis

ORDERING	
TH10	USB Temperature Datalogger
42299	3.6 V Lithium Battery (pack of 2)

45702 Hygro-Thermometer Clock

Combines three displays for Time, Temperature, and Humidity
- Clock display 12/24 hour time
- MAX/MIN with "reset" function
- Simultaneous display of Time, Temperature (14 to 140°F/-10 to 60°C) and Humidity (10 to 85% RH)
- Max resolution: 0.1°, 1% RH
- Basic Accuracy: ±1.8°F/1°C and ±6% RH
- Temperature is °C/°F switchable
- Programmable clock alarm
- Dimensions: 4.3x2.8x0.8" (109x71x20 mm); Weight: 4 oz (113 g)
- 2-year warranty
- Complete with stand, wall mounting bracket, and one AAA battery

ORDERING	
445702	Hygro-Thermometer Clock

CTH10A Large Wall Mount Radio Controlled Clock/Calendar + Hygro-Thermometer

16.8" (426 mm)

11.5" (292 mm)

4.3" (109 mm) digit time display receives Time Code from NIST Radio Station
- Receives Time Code from NIST Radio Station WWVB (North American region) to maintain accuracy within 1 second (North America region)
- Signal indicator displays signal strength in 3 levels to indicate successful synchronization
- LCD displays Time, Relative Humidity (20 to 99% RH), Temperature (32 to 122°F/0 to 50°C), Year, Month, Date, and Day
- Max resolution: 0.1°, 1% RH
- Basic Accuracy: ±2°F/1°C and ±6% RH
- Time can be displayed as 12 or 24 hour format
- Large 4.3" (109 mm) digit clock display can be easily viewed from a distance
- Automatically adjusts for daylight savings time (DST)
- Programmable Alarm Clock with Snooze feature
- Built-in stand for desktop or wall-mount
- Dimensions: 16.8x11.5x1.3" (426x292x32 mm); Weight: 21.4 oz (608 g)
- 2-year warranty
- Complete with built-in stand and three C size batteries

ORDERING	
CTH10A	Radio Controlled Wall Clock + Hygro-Thermometer

445703/445715 Big Digit Hygro-Thermometers

445703

445715 with remote probe

Optional 445715-NISTL includes certificate of Traceability to NIST at 75%. For Certificate of Traceability to NIST at 2 points (33% and 75%), order 445715-NIST

1" Digits on large dual LCD display for easy viewing
- Large dual LCD simultaneously displays Temperature (14 to 140°F/-10 to 60°C) and Humidity (10 to 99% RH), plus MAX/MIN with reset function with Max resolution of 0.1°and 1%
- **Model 445703** is designed with built-in Humidity and Temperature sensor with ±1.8°F/1°C and ±5% RH basic accuracy
- **Model 445715** includes remote probe with 18" (457 mm) cable and probe with ±1.8°F/1°C and ±4% RH basic accuray; probe clips on side of meter; certificate of calibration traceable to NIST available; Rear calibration adjustment pot
- Dims: 4.3x3.9x0.78" (109x99x20 mm); Wt: 6 oz (169 g); 2-year warranty
- Complete with built-in stand, wall mount bracket, and AAA battery; Model 445715 also includes remote sensor. Optional calibration salt bottles (RH300-CAL)

ORDERING
445703	Big Digit Hygro-Thermometer
445715 Ⓝ	Big Digit Remote Probe Hygro-Thermometer
RH300-CAL	33% & 75% RH Calibration Kit (for 445715)

445814/445815 Humidity Alerts

445814

445815 with remote probe

These Humidity Alerts have audible and visual alarm that warn when conditions for mold growth exist (bad for health) or when low humidity conditions for static electricity exist.

Programmable Alarm warns when Humidity level is too high or too low
- %RH audible and visual alarm alerts when humidity is higher or lower than HI/LO set points, plus Max/Min with reset function
- Simultaneous display of Temperature (14 to 140°F/-10 to 60°C) and Humidity (10 to 99% RH)
- Max resolution: 0.1°, 1%; Basic Accuracy: ±1.8°F/1°C and ±4% RH
- Displays Dew Point temperature
- Rear calibration adjustment pot for Humidity and Temperature
- Warns when conditions for mold growth exist (bad for health) or air too dry (static)
- Dims: 4.3x3.9x0.78" (109x99x20 mm); Wt: 6 oz (169 g)
- Complete with built-in stand, wall mount bracket, sensor and one AAA battery; 2-year warranty; optional calibration salt bottles (RH300-CAL)
- **Model 445814** is designed with built-in Humidity and Temperature sensor
- **Model 445815** includes remote probe with 18" (457 mm) cable and probe clip on side of meter and offers certificate of calibration traceable to NIST)

ORDERING
445814	Humidity Alert
445815 Ⓝ	Humidity Alert II
RH300-CAL	33% & 75% RH Calibration Kit (for 445815)

445713/445713-TP Big Digit Indoor/Outdoor Hygro-Thermometers

445713

445713-TP
Ideal for below freezing temperature

Monitor Indoor/Outdoor Humidity and Temperature
- Model 445713-TP with wider Temperature ranges and longer cable length
- External Temperature Probe: 445713: 14 to 140°F (-10 to 60°C); 445713-TP: -58 to 158°F (-50 to 70°C)
- Internal Temperature Sensor: 445713: 14 to 140°F (-10 to 60°C); 445713-TP: 32 to 122°F (0 to 50°C)
- Internal Relative Humidity Range: 445713: 10 to 99% RH; 445713-TP: 20% to 99% RH
- Basic accuracy of ±1.8°F (±1.0°C), ± 5% RH
- Max/Min with "reset" function
- Dimensions: 4.3x3.9x0.78" (109x99x20 mm); Weight: 6 oz (169 g)
- Includes built-in stand, wall mounting bracket, and a 1.5 V AAA battery; 2yr warranty 445713 includes outdoor sensor with 35" (89 cm) cable 445713-TP includes outdoor sensor with 9.75 ft (3 m) cable

ORDERING
445713	Big Digit Indoor/Outdoor Hygro-Thermometer with Remote Probe
445713-TP	Indoor/Outdoor Hygro-Thermometer with Wide Range Remote Probe

CALIBRATION TRACEABLE TO NIST

RHM15/RHM16 Mini Hygro-Thermometer Monitors

NEW

Mini-sized housing is ideal for monitoring Humidity/
Temperature levels in musical instrument cases, humidors,
computer server rooms, labs, office areas, and wine cellars

Monitor Temperature and Humidity to gauge proper heat and moisture levels in an area and it also records high and low extremes during the day
- Simultaneous display of Temperature and Humidity (10 to 99% RH)
- Model RHM15 measures from 14 to 140°F
  Model RHM16 measures from -10 to 60°C
- Basic Accuracy: ±1.8°F/1°C and ±5% RH
- MAX/MIN with reset function
- Dims: 2x1.5x0.63" (51x38x16 mm); Wt: 0.8 oz (24 g)
- 2-year warranty
- Complete with stand and LR44 battery

ORDERING

RHM15	Mini Hygro-Thermometer Monitor (%RH and °F only)
RHM16	Mini Hygro-Thermometer Monitor (%RH and °C only)

42275 Humidity and Temperature Datalogger Kit

Compact, powerful and easy to use with USB interface
- Water resistant Humidity (0 to 100% RH) and Temperature (-40 to 185°F/-40 to 85°C) Datalogger Kit records up to 16,000 readings (8,000 readings/parameter)
- Resolutions: 0.1% RH, 0.1°F/°C; Basic accuracy: ±3% RH, ±1°F (±0.6°C)
- Real time clock with date and time and Logs data for days, weeks or months
- Three start methods: Scheduled, immediate or magnetic
- Multiple Dataloggers (42270) can be programmed and data downloaded from one single docking station
- Programmable sampling rate from 1 sec to 12 hrs plus Hi/Lo limits with alarm indication
- 42275 – 4.9x3.8x2" (123.8x95.3x51 mm); 9 oz (254 g)
- 2-year warranty
- Includes Windows® 7, 8.1, and 10 compatible software, docking station, and one 42270 datalogger

ORDERING

42275	Humidity/Temperature Datalogger Kit with PC Interface
42270	Humidity/Temperature Datalogger for 42275
42299	Replacement 3.6 V Lithium batteries (2pk)

42299 3.6 V Lithium Batteries

Package of 2 (1/2 AA size bobbin cell), primary, non-rechargeable
- High voltage response, stable during most of the lifetime of the application
- Wide operating temperature range (-60°C/+85°C)
- Low self-discharge rate (less than 1% per year of storage at +20°C)
- Superior resistance to atmospheric corrosion; Hermetic glass-to-metal sealing
- Stainless steel container and end caps (low magnetic signature)
- Non-flammable electrolyte
- Compliant with IEC 60086-4 safety standard and IEC 60079-11 intrinsic safety standard (class T4 assignment)
- Underwriters Laboratories (UL) Component Recognition
- Non-restricted for transport/Non-assigned to Class 9 according to the UN Recommendations
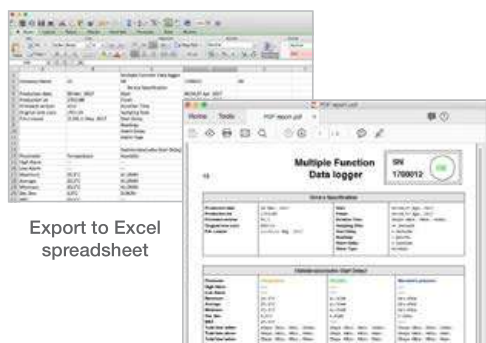- Complete with two 3.6 V Lithium batteries

ORDERING

42299	3.6 V Lithium Battery (pk of 2)

RHT30/RHT35 USB Humidity/Temperature/Pressure Dataloggers

NEW

Includes USB
cover/tilt stand

CE

Datalogs Humidity and Temperature, and RHT35 model also records Barometric Pressure with built-in MEMS sensor
- Compact size housing with built-in NTC thermistor and capacitive humidity sensor designed with standard USB connector for easy data downloading to a PC
- User programmable settings: 6 languages, sample rate, start delay time, alarm delay time, high/low alarm range, and security feature
- Status Indication via Red and Green LEDs; Max/Min function
- Start button begins continuous datalogging until memory is full or by pressing Stop
- Bookmark 8 locations in a data recording log with a press of the Mark button
- Long battery life (approx. 3 month continuous reading)
- Generates a PDF report or Excel® spreadsheet when plugged into a PC
- 2-year warranty
- Complete with (2) CR2032 batteries, USB cover (can be used as a stand), wall mounting screw, and built-in hanger

SPECIFICATIONS	RANGE	RESOLUTION	BASIC ACCURACY
Humidity	0.1 to 99.9% RH	0.1% RH	±3% RH
Temperature (Air)	-22 to 158°F (-30 to 70°C)	0.1°	±1.0°F (±0.5°C)
Barometric Pressure (Model RHT35 only)	300 to 1100 hPa (8.9 to 32.5 inHg)	0.1 hPa (0.1 inHg)	±3 hPa
Datalogging interval	30 seconds to 2 hours		
Memory	RHT30 - Humidity: 24 K points, Temperature: 24 K points RHT35 - Humidity: 16 K points, Temperature: 16 K points, Barometric Pressure: 16 K points		
Dimensions/Weight	4.3x1.6x0.75" (110x40x19 mm)/1 oz (90 g)		

Export to Excel
spreadsheet

Generate PDF reports
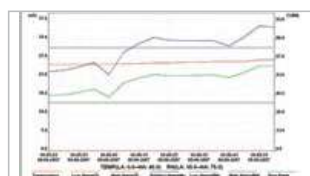
ORDERING	
RHT30	USB Humidity/Temperature Datalogger
RHT35	USB Humidity/Temperature/Barometric Pressure Datalogger

RHT10/TH10 Humidity and Temperature USB Dataloggers

CE

Two models to choose from, with USB interface for easy data download
- **Model RHT10** datalogs 16,000 Temperature/ 16,000 RH readings; Dew point indication and calculate Grains Per Pound (grams per kilogram) up to 1120 GPP (160 g/kg) via included Windows® compatible software
  Model TH10 datalogs 32,000 Temperature readings
- Selectable data sampling rate: 2 seconds to 24 hours
- User-programmable alarm thresholds for RH and Temperature
- Humidity: 0 to 100% RH (Model RHT10 only), Accuracy: ±3% RH; Temperature: -40 to 158°F (-40 to 70°C), Accuracy: ±1.8°F/1°C
- 1-year battery life; Dimensions: 5.1x1.1x0.9" (130x30x25 mm)/Wt: 1 oz (20 g)
- 2-year warranty;
- Completes with 3.6 V Lithium battery, protective USB cap, mounting bracket, and Windows® compatible software

Monitors Temperature & Humidity
(RHT10) levels. USB plugs into a
PC for data analysis with software

42299 — Replacement
long lasting Lithium
batteries

ORDERING	
RHT10	Humidity and Temperature USB Datalogger
TH10	Temperature USB Datalogger
42299	3.6 V Lithium Battery (pk of 2) - see p. 61 for details

CALIBRATION TRACEABLE TO **NIST**

N *Indicates products that are available with optional calibration traceable to* **NIST.** *See pages 146-147 for a complete listing.*

RHT20 Humidity and Temperature Datalogger

Complete with 3.6 V Lithium battery, mounting bracket with combination lock, and Windows® compatible analysis software

Datalogs 16,000 Humidity and 16,000 Temperature readings
- USB interface for easy setup and data download to a PC
- Monitors Humidity & Temperature levels in warehouse, storage rooms, freezers, shipping vans, and offices
- Dew point indication via Windows® compatible software (included)
- Selectable data sampling rate: 1 second to 24 hours
- User-programmable alarm thresholds for RH and Temperature
- LCD displays current readings, Min/Max, and alarm status
  Humidity: 0 to 100% RH, 0.1% RH resolution, Accuracy: ±3% RH;
  Temperature: -40 to 158°F (-40 to 70°C), 0.1°F/°C resolution, Accuracy: ±1.8°F/1°C
- 3-month battery life; Dimensions: 3.7x1.9x1.2" (94.4x48.9x31.2 mm)/Wt: 3.2 oz (90.7 g)
- 2-year warranty

ORDERING	
RHT20	Humidity and Temperature Datalogger

42280 Humidity and Temperature Datalogger

Records up to 16,000 readings with USB interface for downloading to a PC
- Programmable from keypad or PC, Selectable data sampling rate, and User programmable audible and visual alarms
- Measurement ranges: 0 to 100% RH and -4 to 144°F (-20 to 70°C); Resolution: 0.1% RH, 0.1°F/°C; Basic accuracy: ±3% RH, ±1°F/0.6°C
- Dimensions/Weight: 4.75x3.5x1.5" (120.7x88.9x38.1 mm)/5.7oz (163 g)
- 2-year warranty
- Complete with Windows® compatible software, USB cable, Universal AC adaptor with 4 plugs (US, EU, UK, AUS), and four AA batteries

ORDERING	
42280 **N**	Temperature and Humidity Datalogger
RH300-CAL	33% and 75%RH Calibration Kit

RH520A Humidity and Temperature Chart Recorder

Best value graphical datalogger in the market that's easy to set up & operate
- Simultaneous numerical & graphical display of Humidity (10.0 to 95.0% RH) and Temperature (-20.0 to 140.0°F/-28.0 to 60.0°C) readings, plus Time and Date
- Basic Accuracy: ±3% RH; ±1.8°F (±1°C)
- Includes PC software that calculates and graphs Dew Point, Wet Bulb, and GPP (grains per pound)
- Large dual graphical LCD displays with adjustable vertical and horizontal resolution
- Internal memory records up to 49,000 data points and can be transferred to a PC
- Audible and visual alarm with Hi/Low setpoints
- Output socket can be used with user's external alarm module
- Dimensions: 5x7.7x0.9" (129x195x22 mm); Weight: 12.6 oz (357 g)
- 2-year warranty
- Complete with built-in stand, detachable probe with 3 ft (1 m) cable, RS-232 cable, RS-232 to USB adaptor, PC software, 100-240 V AC 50/60 Hz adaptor, and 3 AA batteries

Watch the
Video
www.extech.com/video

PC software included

ORDERING	
RH520A **N**	Humidity+Temperature Chart Recorder (110 V adaptor w/standard North American plug)
RH520A-220 **N**	Humidity+Temperature Chart Recorder (220 V adaptor w/ 3 flat pin plug, grounded)
RH520A-240 **N**	Humidity+Temperature Chart Recorder (240 V adaptor w/ 2 rounded pin plug)
RH522	Replaceable Humidity/Temperature Probe

RH200W Multi-Channel Wireless Hygro-Thermometer Kit

NEW

Connect up to 8 wireless transmitters to remotely measure Temperature and Humidity levels up to 98 ft (30 m) away

- Base Station LCD with Auto-Night Light displays local and up to eight remote Temperature/Humidity readings either auto-cycle or manual mode from the wireless transmitters
- Easy-to-read 1.3" (33 mm) oversized digits
- Min/Max recording with reset
- Indoor Comfort icons displayed on Base Station indicating too cold, comfortable, or too hot/humid conditions
- Trend arrows indicate rising, steady or falling of the Temperature/Humidity readings
- Snow icon appears when remote temperature is 37.4°F (3°C) or below
- Transmitter LED flashes to indicate normal operation
- Transmitters can be mounted up to 98 ft (30 m) from the base station
- Operates at 433 MHz; FCC approved
- 2-year warranty
- Complete with a base station with 4 AA batteries and one transmitter with 2 AA batteries. Additional remote Transmitters (RH200W-T) sold separately (up to 8 transmitters can be wirelessly connected to the base)

SPECIFICATIONS	RANGE	MAX RESOLUTION	BASIC ACCURACY
Temperature Indoor Base Station	23 to 122°F (-5 to 50°C)	0.1°F/°C	±1.8°F (1°C)
Temperature Remote Transmitter (RH200W-T)	-40°F to 140°F (-40°C to 60°C)	0.1°F/°C	±1.8°F (1°C)
Relative Humidity	1 to 99% RH	1% RH	±5% RH
Wireless Sensor Signal	433 MHz		
Number of Remote Transmitters	Base Station can connect up to 8 Transmitters (RH200W-T)		
RF Transmission Range	98 ft (30 m)		
Dimensions	Base: 5.1x4.4x1.1" (130x112x27.5 mm); Transmitter: 4.5x2.4x1.6" (113x61x39.5 mm)		
Weight	Base: 10.4 oz (295 g); Transmitter: 4.8 oz (136 g)		

ORDERING	
RH200W	Multi-Channel Wireless Hygro-Thermometer (one each - Base Station and Transmitter)
RH200W-T	Wireless Hygro-Thermometer Transmitter

WIRELESS Transmitter

One Base Station can connect up to 8 Wireless Transmitters (RH200W-T) that are placed within 93 ft (30 m) away from the base. Ideal for multi-room environmental monitoring for manufacturing facilities, restaurants, offices, homes, greenhouses, and storage/archive buildings.

CALIBRATION TRACEABLE TO **NIST**

Ⓝ *Indicates products that are available with optional calibration traceable to* **NIST.** *See pages 146-147 for a complete listing.*

WTH600-KIT Wireless Weather Station Kit

NEW

Outdoor Wireless Transmitter, with 5 built-in sensors, sends data wirelessly to the indoor Base Sation to display current weather conditions
- Model WTH600-KIT - Operates at 915 MHz; FCC approved
  Model WTH600-E-KIT - Operates at 868 MHz; CE approved

Indoor Base Station Features:
- Weather Forecast displays Sunny, Partially Cloudy, Cloudy, Rainy, Stormy, or Snowy
- Barometric pressure in Relative or Absolute readings
- Displays Rain Rate, Daily, Weekly, Monthly and Total Rainfall (in inches or mm)
- Bar chart displays rainfall (past 5 days) or pressure changes (1, 3, 6, 12, 24 hrs)
- Measures Indoor Temperature/Humidity and indicates comfort level and Dew Point
- Max/Min readings with time-date stamps
- Hourly records for the past 24 hours
- Hi/Lo alert setting with flashing amber LED indicator
- LED backlight display shows low battery indicator and signal strength indication
- Clock display with date and weekday (5 languages : EN/DE/FR/IT/ES)
- Clock alarm function and Ice-Alert

Outdoor Transmitter Features:
- Outdoor weatherproof (IP67) transmitter with 5 built-in sensors measuring Wind Speed, Wind Direction, Rainfall, Temperature, and Humidity
- Long-range transmission up to 450 ft (150 m) to the Indoor Base Station
- Measures Gust or Average Wind Speed in (mph, m/s, km/h, knots)

NOTE: Check country frequency to select the correct model to use the Radio Controlled Clock feature. All other regions, user can manually set the clock mode.

WIRELESS Transmitter

Extech's Weather Station helps you plan your day-to-day outdoor activities that may be affected by weather conditions including businesses involved with construction, agriculture, and recreation.

Complete with one Base Station with 3 AA batteries and one Transmitter with 3 AA batteries; 2-year warranty.

SPECIFICATIONS	RANGE	MAX RESOLUTION	BASIC ACCURACY
Wireless Indoor Base Station			
Frequency	WTH600-KIT: 915 MHz WTH600-E- KIT: 868 MHz		
Temperature	-40 to 158°F (-40 to 70°C)	0.1°	±2°F (±1°C)
Relative Humidity	20 to 90% RH	1% RH	±5% RH
Barometer	15.95 to 32.48 inHg	0.01 inHg	±0.12 inHg
	405 to 825 mmHg	0.1 mmHg	±3 mmHg
	540 to 1100 hPa	1 hPa	±4 hPa
Dew Point (Calculated)	-40 to 158°F (-40 to 70°C)	0.1°	
Weather forecast	Sunny/Clear, slightly Cloudy, Cloudy, Rainy, Rainy/Stormy and Snowy		
Radio Controlled Atomic Clock			
Synchronization	Auto or disabled		
Clock display	HH:MM:SS / Weekday		
Hour format	12 hr AM/PM or 24 hr		
Calendar	MM/DD		
Languages (weekday)	EN, FR, DE, ES, IT		
Time signal	WWVB		
Time zones	PST, MST, CST, EST, AST, NST		
DST (daylight savings)	AUTO / OFF		
Wireless Outdoor Transmitter			
Temperature	-40 to 176°F (-40 to 80°C)	0.1°	±1.0°F (±0.5°C)
Relative Humidity	1 to 99% RH	1% RH	±3% RH
Wind Speed			
m/s	0 to 50 m/s	0.1 m/s	±6%
km/h	0 to 180 km/h	0.1 km/h	±6%
MPH	0 to 112 MPH	0.1 MPH	±6%
knots	0 to 97 knots	0.1 knots	±6%
Wind Direction	16 points		
Wind Chill	-40 to 158°F (-40 to 70°C)	0.1°	±1°F (±2°C)
Heat Index	78.8 to 122°F (26 to 50°C)	0.1°	
Rain Gauge	0 to 393.7" (0 to 9999 mm)	0.0157" (0.4 mm)	±7% or 1 tip
Dimensions	Indoor Base Station: 4.7x7.5x0.9" (120x190x22 mm); Outoor Transmitter: 13.5x15.5x5.5" (343.5x393.5x136 mm)		
Weight	Indoor Base Station: 13.1 oz. (370 g) with batteries; Outoor Transmitter: 23.7 oz. (673 g) with batteries		

ORDERING	(Check country frequency compatibility before ordering)
WTH600-KIT	Wireless Weather Station Kit - 915 MHz (one each - Base Station & Transmitter)
WTH600-E-KIT	Wireless Weather Station Kit - 868 MHz (one each - Base Station & Transmitter)

HYGRO-THERMOMETERS

Quick & Easy

Need a quick check on humidity levels in water restoration, HVAC system, or environmental conditions for safety & comfort? Extech's got a variety of Hygro-Thermometers ranging from simple pen style to compact design and advanced handheld models. Whatever your job demands, we've got the right meter for you to get it done quickly without compromising on quality!

N NIST traceable certificate with data is available when you order your meter with Certificate Traceable to NIST. Look for this symbol **N** next to product part numbers.

RH300-CAL
33% and 75% RH Calibration Reference
Calibration kit for calibrating Humidity Meters/Indicators
- Optional Calibration kit for calibrating Humidity Indicators (445580, RH300, 445715 and 445815)
- 33% RH and 75% RH bottles
- Bottle designed with small opening for snugged fit of the sensor
- Includes 33% RH and 75% RH calibration bottles

SPECIFICATIONS

Sensor Type	
Humidity	
Dew Point	
Temperature (Air)	
Temperature (IR)	
Basic Accuracy	
Max. Resolution	
CE approved	
Dimensions	
Warranty	

CALIBRATION TRACEABLE TO NIST

N *Indicates products that are available with optional calibration traceable to* **NIST.** *See pages 146-147 for a complete listing.*

445580 Humidity/Temperature Pen

Compact, Digital Hygro-Thermometer, ideal for field use

- Simultaneous display of Temperature (°C/°F) and Relative Humidity
- MAX/MIN and Data Hold
- Built-in self calibration utility allows for field calibrations using optional Relative Humidity calibration bottles (RH300-CAL)
- Complete with meter, pocket clip and 3 V lithium battery

RH210 Compact Hygro-Thermometer

Economic handheld meter with large dual LCD displays Temperature and Humidity or Dew Point simultaneously

- Compact design features large dual display of Temperature and Humidity or Dew Point
- Uses precision capacitance sensor
- Min/Max function stores & recalls highest and lowest readings
- Data Hold function freezes reading on display
- Auto Power Off with disable feature
- Low battery indication
- Complete with probe and 39" (1 m) cable, 9 V battery, and soft case

RH101 Hygro-Thermometer + IR

Humidity, Air Temperature plus IR for non-contact Temperature measurements

- Large backlit LCD dual display
- Primary and Secondary displays: Primary display is user selectable for IR or Humidity; Secondary displays ambient temperature
- InfraRed thermometer has built-in laser pointer, 8:1 distance to target ratio, and fixed 0.95 emissivity
- Auto Power Off, MAX and Data Hold
- Remote humidity sensor with 39" (1 m) coiled cable measures both humidity and ambient temperature
- Over-range indication
- Complete with built-in stand, holster, Humidity/Temperature probe, 9 V battery, and carrying case

445580 Ⓝ	RH210	RH101
Capacitance	Capacitance	Capacitance
10 to 90% RH	10 to 95% RH	10 to 95% RH
—	-13.5 to 120.0°F (-25.3 to 48.9°C)	—
14 to 122°F (-10 to 50°C)	32 to 122°F (0 to 50°C)	-4 to 140°F (-20 to 60°C)
—	—	-58 to 932°F (-50 to 500°C)
±5% RH, ±1.5°	±3% RH; ±1.5°F/±0.8°C (Air); ±2.2°F/±1.2°C (Dew Point)	±3.5% RH; ±2% or ±4°F/2°C (IR); ±3°F/2°C (Air)
0.1%, 0.8°	0.1%, 0.1°	0.1%, 0.1°
Yes	Yes	Yes
5.7x1.2x1" (145x30x25 mm)/2.3 oz (65 g)	5.3x2.4x1.3" (135x60x33 mm)/9.3 oz. (264 g)	5.9x2.95x1.57" (150x75x40 mm)/7 oz (200 g)
2 years	2 years	2 years

PSYCHROMETERS

RH300 Digital Psychrometer

Temperature Probe for differential measurements

- Simultaneous display of % RH, Temperature and Dew Point or Wet Bulb or Probe Temperature
- Calculates T1-T2 differential (Air Temperature minus External Probe Temperature) using optional probe (TP890) and T2-Dew Point
- Data Hold and Auto Power Off
- MAX/MIN readings
- Optional TP890 probe for Differential Temperature
- Complete with 2 AAA batteries; Optional 33% and 75% RH Calibration Kit (RH300-CAL)

Must-Have Tools for IAQ

Regulating humidity and temperature is a critical part of ensuring indoor air quality (IAQ) in residential, commercial offices, manufacturing and healthcare. Extech psychrometers are a key tool for rapid diagnostics & IAQ problem solving.

N NIST traceable certificate with data is available when you order your meter with Certificate Traceable to NIST. Look for this symbol N next to product part numbers.

ACCESSORIES

589250	RS-232 PC cable for RH350
589250-USB	USB PC cable for RH350
RH-CAP	Replacement Protective Cap (5-pack)
RH-SCREEN	Vent Cap for RH390/RH490/HD500 (5-pack)
RH300-CAL	33% and 75% RH Calibration Kit for RH300
RH350-CAL	33% and 75% RH Calibration Kit for RH350
TP890	Thermistor Temperature Probe for RH300

SPECIFICATIONS	RH300 N
Sensor Type	Capacitance
Dew Point	-90.4 to 122°F (-68.0 to 49.9°C)
Wet Bulb	-6.9 to 122°F (-21.6 to 49.9°C)
Humidity (Basic Accuracy)	0 to 100% RH (±3% RH)
Mixing Ratio	—
Internal Temperature (Basic Accuracy)	-4 to 122°F /-20 to 50°C (±1.8°F/±1°C)
External Temperature (Basic Accuracy)	Thermistor: -4 to 158°F/-20 to 70°C (±1.8°F or ±1°C)
PC Interface	—
Memory/Datalogging	—
CE Approved	Yes
Dimensions/Weight	7x1.9x1" (178.5x48.4x24.7 mm)/3.3 oz (95 g)
Warranty	2 years

CALIBRATION TRACEABLE TO NIST

NEW

RH350 Dual Input Psychrometer

Two Type K External Probe inputs for Superheat plus memory

- Superheat differential measurements: T1-T2, Air-T1, and T1-Dew Point
- Backlit LCD displays 3 parameters: %RH and Temperature with either Dew Point, Wet Bulb or Type K
- PC interface – 407752 software available for download at www.extech.com and optional cable 589250 or 589250-USB sold separately
- Stores up to 99 data points
- MAX/MIN with time stamp+AVG
- Data Hold, Auto Power Off
- Complete with 2 general purpose Type K bead wire probes, 4 AAA batteries; Optional 33% and 75% RH Calibration Kit (RH350-CAL)

RH390/RH490 Precision Psychrometers

Highest 2% RH accuracy with Fast 30 second Response Time

- Dual backlit display
- Simultaneous display of:
  - Humidity/Temperature
  - Humidity/Dew Point
  - Humidity/Wet Bulb
- Fast 30 second response time
- Slim design with rubberized sides for better grip and for one-hand operation
- **Model RH490** measures Grains Per Pound (grams per kilogram) to 1120 GPP (160 g/kg)
- Complete with carrying case and 9 V battery

RHT510 Digital Psychrometer

Type K input for measuring temperature up to 2372°F (1300°C)

- Measures Temperature (Air/Type K) and Relative Humidity
- Calculates Wet Bulb and Dew Point
- Backlit LCD to view in dimly lit areas
- Min/Max readings
- Data Hold
- Auto Power Off with disable
- Tripod mount (tripod not included)
- Complete with wrist strap, general purpose Type K bead wire Temperature probe, and 3 AAA batteries. See other optional Type K temperature probes available on p. 27, 52.

RH350 [N]	■ RH390 [N] | ▲ RH490 [N]	RHT510 [N]
Capacitance	Capacitance	Capacitance
-90.4 to 122°F (-68.0 to 49.9°C)	-22 to 199°F (-30 to 100°C)	-13.5 to 120.0°F (-25.3 to 49.0°C)
-6.9 to 122°F (-21.6 to 49.9°C)	32 to 176°F (0 to 80°C)	22.2 to 120°F (-5.4 to 49.0°C)
0 to 100% RH (±3% RH)	0 to 100% RH (±2% RH)	10 to 95% RH (±4% RH)
—	■ No | ▲ 0 to 1120 GPP (grains per pound); 0 to 160 g/kg (grams per kilogram)	—
-4 to 122°F/-20 to 50°C (±1.8°F/±1°C)	-22 to 199°F/-30 to 100°C (±1.8°F/1°C)	32 to 122°F/0 to 50°C (±2.5°F/1.2°C)
Type K: -328 to 2498°F/-200 to 1370°C (±0.3% or 1.8°F or ±1°C)	—	Type K: -148°F to 2372°F/-100°C to 1300°C (±0.4% + 1.8°F/1°C)
Optional software & cable (589250)	—	—
99 readings	—	—
Yes	Yes	Yes
9x2.2x1.7" (230x57x44 mm)/5.3 oz (153 g)	7.8x1.7x1.3" (200x45x33 mm)/7 oz (200 g)	6x2.3x1" (153x58x25 mm)/5.6 oz (160 g)
2 years	2 years	2 years

HYGRO-THERMOMETER *DATALOGGERS*

HD500 Psychrometer + 30:1 InfraRed Thermometer

Combination Humidity meter, Type K thermometer, and InfraRed Thermometer

- Built-in IR Thermometer for non-contact surface temperature measurements
- 30:1 distance to target ratio
- 0.95 fixed emissivity to cover 90% of surface applications
- Type K Thermometer for contact temperature measurement
- Highest 2% RH accuracy
- Large triple LCD backlit display
- USB port includes PC software
- Auto Power Off
- Complete with general purpose Type K bead wire probe, PC software, USB cable, built-in stand, case, and 9 V battery

Improve Indoor Air Quality

Accurately diagnosing problems related to barometric pressure, humidity and temperature levels is essential to effective HVAC/mechanical repair. Extech makes it easy with durable, accurate, and easy-to-use environmental meters.

N NIST traceable certificate with data is available when you order your meter with Certificate Traceable to NIST. Look for this symbol **N** next to product part numbers.

ACCESSORIES

RH-CAP	Replacement Protective Cap (5-pack)
RH-SCREEN	Vent Cap for RH390/RH490/HD500 (5-pack)
UA100-240	100-240 V AC Adaptor w/4 plugs (US, EU, UK, AU)

SPECIFICATIONS	HD500 **N**
Sensor Type	Capacitance
Dew Point	-90.4 to 140°F (-68 to 60°C)
Wet Bulb	-6.88 to 140°F (-21.6 to 60°C)
Humidity (Basic Accuracy)	0 to 100% RH (±2% RH)
Barometric Pressure	—
Internal Temperature (Basic Accuracy)	-14 to 140°F/-10 to 60°C (±4°F/±2°C)
External Temperature (Basic Accuracy)	Type K: -148 to 2501°F/-100 to 1372°C (±3%)
IR Temperature (Basic Accuracy)	-58 to 932°F/-50 to 500°C (±2% or ±4°F/±2°C)
PC Interface	Yes
Memory/Datalogging	—
CE Approved	Yes
Dimensions/Weight	10x2.9x2" (255x75x50 mm)/12.2 oz (350 g)
Warranty	3 years

N *Indicates products that are available with optional calibration traceable to* **NIST**. *See pages 146-147 for a complete listing.*

CALIBRATION TRACEABLE TO NIST

Includes SD memory card

Includes SD memory card

Includes SD memory card

SDL500
Psychrometer/ Hygro-Thermometer Datalogger

Date/time stamps and stores readings on an SD card in Excel® format for easy transfer to a PC

- Humidity, Temperature, Dew Point & Wet Bulb functions
- Selectable data sampling rate: 1 to 3600 seconds
- Manually store/recall up to 99 readings
- Large backlit dual LCD
- Record/Recall MIN, MAX readings
- Data Hold plus Auto Power Off with disable function
- Includes 6 x AA batteries, SD card, case and Humidity probe; Optional Universal AC Adaptor UA100-240, also see p. 27, 52 for optional Type K and J Thermocouple probes

SD500
Hygro-Thermometer Datalogger

Records data on an SD card in Excel® format

- Dual LCD displays Relative Humidity and Temperature readings
- Datalogger date/time stamps and stores readings on an SD card in Excel® format for easy transfer to a PC
- Selectable data sampling rate: 5 to 600 seconds or Auto
- Complete with 6 AAA batteries, SD card, Universal AC Adaptor, and mounting bracket

SD700
Hygro-Thermometer Datalogger plus Barometric Pressure

Records data on an SD card in Excel® format

- Triple LCD displays Barometric Pressure, Temperature, and Relative Humidity
- Datalogger date/time stamps and stores readings on an SD card in Excel® format for easy transfer to a PC
- Selectable data sampling rate: 5 to 600 seconds or Auto
- Complete with 6 AAA batteries, SD card, Universal AC Adaptor, and mounting bracket

SDL500 [N]	SD500 [N]	SD700
Capacitance	Capacitance	Capacitance
-13.5 to 120.1°F (-25.3 to 48.9°C)	—	—
-6.9 to 122°F (-21.6 to 50°C)	—	—
5% to 95% RH (±3% RH)	10 to 90% RH (±4% RH)	10 to 90% RH (±4% RH)
—	—	10 to 1100 hPa; 7.5 to 825 mmHg; 0.29 to 32.48 inHg
32 to 122°F/0 to 50°C (±1.8°F/±1°C)	32 to 122°F/0 to 50°C (±1.8°F/0.8°C)	32 to 122°F/0 to 50°C (±1.8°F/0.8°C)
Type K: -148 to 2372°F /-100 to 1300°C Type J: -148 to 2192°F/-100 to 1200°C ±(0.4% + 1.8°F/1°C)	—	—
—	—	—
—	—	—
Datalogs using SD memory card	Datalogs using SD memory card	Datalogs using SD memory card
Yes	Yes	Yes
7.2x2.9x1.9" (182x73x48 mm)/23 oz (655 g)	5.2x3.1x1.3" (132x80x32 mm)/9.9 oz (282 g)	5.2x3.1x1.3" (132x80x32 mm)/9.9 oz (282 g)
3 years	2 years	2 years