Thermocouple Thermometers

Thermocouple Thermometers, Datalogger, Printer

Extech offers a selection of thermometers with datalogging and printing capabilities for data storage analysis and report generation.

Featuring Model HD200

▶ **Dual Input**

Differential temperature measurements for servicing refrigeration and air conditioning

▶ **IR Thermometer Probe**

For non-contact temperature measurements from -22 to 1022°F (-30 to 550°C) for surfaces that are hard-to-reach or unsafe to touch

▶ **Triple Display**

Simultaneously view [T1, T2, T3 (IR)] or [T1-T2] or [T1-T3] or [T2-T3]

Accessories

TP882 High Temperature Penetration Probe

TP200 Clamp Probe

TP200.......Type K Clamp Probe (-40 to 212°F)
TP882.......Type K Penetration Probe (-50 to 1000°F)
872502 .....Type J Bead Wire Probe (-328 to 392°F)
801515 .....Type J, 4" (100mm) General Purpose Temperature Probe (-328 to 842°F)
409996 .....Soft Vinyl Pouch Carrying Case (for EA15)
See pages 42 and 80 for additional temperature probes.

Order Meter with NIST Certificate*

All Extech meters come factory calibrated. For an additional charge, Extech will supply your meter with a Certificate of Calibration Traceable to N.I.S.T. with Data at multiple points. **To order meter with NIST:**

EA11A-NIST
TM100-NIST
EA10-NIST
EA15-NIST
HD200-NIST

*Only products listed are available with NIST Certificate. Meter must be ordered with NIST Certificate at time of purchase.

EA11A EasyView® Type K Single Input Thermometer

Large dual LCD display with 0.3% accuracy and memory

• Simultaneously displays current temperature and Max/Min/Avg or stored memory location

• Selectable units of °F and °C

• Manually store/recall up to 150 readings

• Data Hold and Auto power off

• Records MAX/MIN/AVG readings for later recall

• Complete with built-in stand, protective holster, Type K bead wire probe (-4 to 482°F/-20 to 250°C), and 6 AAA batteries. (Optional temperature probes available on pages 42 and 80)

TM100 Type J/K Single Input Thermometer

**Side-mounted controls allow for convenient one-handed operation**

• Large backlit LCD display

• Wide temperature range with 0.1°/1° resolution

• Readout in °F, °C, or K (Kelvin)

• Data Hold function freezes reading on display

• Max/Min/Avg readings with relative time stamp

• Offset key used for zero function to make relative measurements

• Auto Power off with disable feature

• Complete with Type K bead wire temperature probe (-22 to 572°F/-30 to 300°C) and 9V battery

Specifications

Model	EA11A	TM100	
Single or Dual Input	Single	Single	
Type K °F (°C)	-58 to 1999°F (-50 to 1300°C)	-328 to 2501°F (-200 to 1372°C)	
Type J °F (°C)	—	-346 to 2012°F (-210 to 1100°C)	
InfraRed °F (°C)	—	—	
Basic Accuracy	±0.3% rdg	±0.15% rdg	
Resolution	0.1°/1°	0.1°/1°	
Datalogging	—	—	
Dimensions	5.9x2.8x1.3" (150x72x35mm)	8.7x2.5x1.1" (220x 63 x 28mm)	
Weight	8.3oz (235g)	7oz (200g)	
CE	Yes	Yes	
Warranty	1 year	1 year	

Extech Instruments: The brand of choice…

Software Included

USB port with
PC Software

EA10 EasyView® Type K Dual input Thermometer with Dual readings

Big backlit display with relative and elapsed time indication

- Displays [T1 and T2] or [T1-T2 and T1] or [T1-T2 and T2]
- Selectable units of °C/°F or Kelvin
- Timer function displays elapsed time plus the time when MAX/MIN readings are taken
- OFFSET key used for zero function to make relative measurements
- Data hold and Auto power off
- Complete with built-in stand, protective holster, two Type K bead wire temperature probes (-4 to 482°F/-20 to 250°C), and 6 AAA batteries. (Optional temperature probes available on pages 42 and 80)
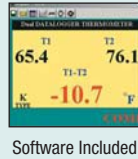
EA15 EasyView® 7 Thermocouple Datalogger

Internal memory stores up to 8800 data sets

- Seven Thermocouple type selections: K, J, T, E, R, S, N
- Large backlit display
- Stores Time, T1 and T2
- Manual push-button datalogging or automatic with programmable sample rate of 3 to 355 seconds per reading
- Manual record/recall of data
- Data Hold and Auto power off
- MAX/MIN/AVG or MAX/MIN with elapsed time
- Complete with two Type K bead wire temperature probes (-4 to 482°F/-20 to 250°C), Windows® 95/98/ME/NT/2000/XP compatible software, RS-232 cable for data transfer, protective holster, case, and 6 AAA batteries

HD200 Differential Thermometer Datalogger + IR

Automatically stores up to 18,000 readings and takes differential temperature readings with dual Type K thermocouple probes plus non-contact surface temperature measurement using IR Thermometer Probe

- Display [T1, T2, T3 (IR)] or [T1-T2] or [T1-T3] or [T2-T3]
- Records in a continuous mode up to 18,000 readings
- Differential displays for HVAC/ Superheat measurements
- Heavy duty double molded housing
- MAX/MIN/AVG and Data Hold
- USB port includes PC software
- Includes IR Thermometer probe (HD200-IR)with 8:1 distance to target ratio and Laser pointer
- Complete with two Type K bead wire temperature probes (-22 to 572°F/-30 to 300°C), IR probe, built-in stand, Windows® compatible software, USB cable, hard carrying case, and 9V battery

EA10	EA15	HD200	Model
Dual	Dual	Dual + IR	**Single or Dual Input**
-200 to 1999°F (-200 to 1360°C)	-200 to 1994°F (-150 to 1090°C)	-328 to 2501°F (-200 to 1372°C)	**Type K °F (°C)**
—	-200 to 1999.9°F (-150 to 1370°C)	—	**Type J °F (°C)**
—	—	-22 to 1022°F (-30 to 550°C) with IR probe	**InfraRed °F (°C)**
±0.3% rdg	±0.05% rdg	±0.15%	**Basic Accuracy**
0.1°/1°	0.1°	0.1°/1°	**Resolution**
—	8800 readings	18,000 readings	**Datalogging**
6x2.8x1.5" (152x72x37mm)	5.91x2.83x1.38" (150x72x35mm)	7.9x2.9x1.9" (201x75x50mm)	**Dimensions**
8.3oz (235g)	8.3oz (235g)	9.8oz (280g)	**Weight**
Yes	Yes	Yes	**CE**
1 year	1 year	✓3 years	**Warranty**

EXTECH INSTRUMENTS
A FLIR COMPANY

Thermocouple Thermometers, Datalogger, Printer

Extech offers a selection of thermometers with datalogging and printing capabilities for data storage analysis and report generation.

Featuring Model *421509*

▶ **7 Thermocouple Types**

Use with J, K, T, E, R, S, and N Thermocouples

▶ **Datalogger plus PC software (included)**

Stores up to 1024 readings for further analysis using PC software

▶ **Differential Temperature**

Calculates the difference between two temperature readings (T1-T2) for Type J, Type K, or both Type J and K

▶ **Programmable Alarm**

High and Low temperature setpoints with audible alarm
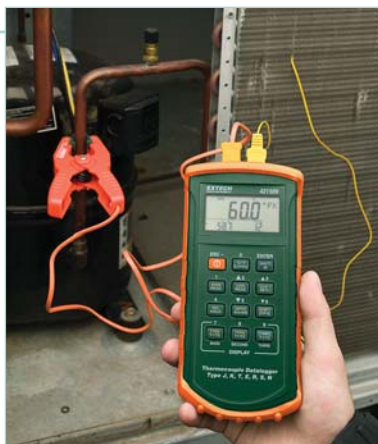
Dual Type K Thermometer for differential temperature measurement in HVAC applications

Accessories:
(See pages 42 and 80 for Thermocouple/RTD Temperature Probes)

AC Adaptor
156119 ....117V AC Adaptor (for 407907)
156221 ....220V AC Adaptor (for 407907)

Carrying Case
409997 ....Soft Vinyl Pouch Case (for 421502, 421509)
140001 ....Hard Vinyl Carrying Case (for Heavy Duty Series)

Order Meter with NIST Certificate*

All Extech meters come factory calibrated. For an additional charge, Extech will supply your meter with a Certificate of Calibration Traceable to N.I.S.T. with Data at multiple points. **To order meter with NIST:**

421502-NIST
421509-NIST
407907-NIST

*Only products listed are available with NIST Certificate. Meter must be ordered with NIST Certificate at time of purchase.

Specifications

Model
Single/Dual Input
Type K °F (°C)
Type J °F (°C)
RTD/Thermistor °F (°C)
Basic Accuracy
Max. Resolution
Datalogging
Dimensions/Weight
CE
Warranty

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421502 Type J/K, Dual Input Thermometer with Alarms

Dual J or K input with dual display, relative and programmable High/Low audible alarms

- Widest range with highest 0.05% accuracy
- Rugged design for field use
- Large dual LCD displays T1, T2 or T1-T2, plus Elapsed Time
- Differential temperature between Type J, Type K, or both Type J and K
- MIN/MAX/AVG readings
- Data Hold and Relative functions
- Programmable Hi/Lo audible alarms
- Complete with two Type K bead wire temperature probes (-4 to 482°F/-20 to 250°C), protective holster with stand, and 9V battery

(Optional temperature probes available on pages 42 and 80)

421509 7 Thermocouple Datalogger with Alarm

Memory stores up to 16 data sets, 1024 maximum data capacity

- Seven Thermocouple type selections: K, J, T, E, R, S, N
- Large backlit LCD with two secondary displays for simultaneous T1, T2, T1-T2, Time and advanced readouts
- T/C offset adjustment
- REC, MAX, MIN, MAX-MIN, AVG and °C/°F switchable
- Data Hold and Relative function
- Bi-directional RS-232 PC interface
- Programmable Hi/Lo alarm with Real time clock with calendar
- Auto power off with disable feature
- Complete with two Type-K bead wire temperature probes (-4 to 482°F/-20 to 250°C), Windows® 95/98/ME/NT/2000/XP compatible software, RS-232 cable, protective holster, and 9V battery

407907 Heavy Duty RTD Thermometer with PC Interface

Higher resolution to 0.01° over wide Temperature ranges

- Wide temperature range measures to 1562°F (850°C)
- Built-in linearity correction with fast response
- Sampling time of 0.4 second
- Built-in RS-232 PC serial interface with optional 407001 Windows® 95/98/NT/2000/XP compatible Data Acquisition software and 380340 Datalogger (see page 108 for full details)
- Accepts 4 wire Pt-100Ω RTD probes with 4-pin connector
- Data Hold
- Complete with protective holster with stand and 9V battery (stainless steel RTD Temperature probes with 4-pin plugs sold separately)

421502	421509	407907
Dual	Dual	No
-328 to 2498°F (-200 to 1370°C)	-328 to 2501°F (-200 to 1372°C)	—
-328 to 1922°F (-200 to 1050°C)	-346 to 2192°F (-210 to 1200°C)	—
—	—	RTD: -199.99 to 1562°F (-199.99 to 850°C)
±0.05% rdg	±0.05% rdg	±(0.1%rdg+0.4°F/0.2°C)
0.2°F/0.1°C	0.1°	0.01°
—	1024 readings	Optional Datalogger 380340 (p.108)
7.63x3.6x2.1" (192x91x53mm)/13oz (365g)	7.5x3.6x2.0" (192x91x53mm)/12.8oz (365g)	7.1x2.8x1.3" (180x72x32mm)/10oz (285g)
Yes	Yes	Yes
1 year	1 year	✓3 years

...trusted by the professionals.