

EDL Temperature Test & Measurement Instruments

Pocket-Probe® Analog

APPLICATION AREAS: Fuel, Nuclear, Shipping Vessels, Gas and Electric (Utilities)

- Red-Knife Pointer for Easy Readability
- Spring-Cushioned Jewels Absorb Shock
- Portable For Mobile or Bench Top Applications
- Large, easy to read scale
- Automatically adjusts to changes in ambient temperatures
- Automatic transit switch for meter protection when instrument is moved
- 1 year warranty

EDL engineered an exclusive bi-metal and thermistor compensation network to automatically adjust for changes in room temperatures.

Unlike digital displays, you can visually track readings as they increase or decrease. Accuracy of Analog Meters is not affected by RF noise and electrical interference.

Pocket Probe Analog Pyrometers require no batteries for operation, thus eliminating potential sparks. This feature makes EDL's Analog Pyrometers ideal for explosion hazard areas where fumes and gases may pose a potential safety issue.

All EDL Pocket Probe Analog Pyrometers are Thermocouple Type E.



Specifications

Accuracy	1/2% (0.5%) of reading
Scale	87mm (3.5")
Magnet	Aged high flux Alnico
Open sensor indication	Room temperature
Thermocouple type.....	Type E phonoplug (P)
Case	ABS reinforced plastic alloy
Dimensions.....	5.75" x 3.9" x 2.2"
Weight	616g (22.0 oz.)

NIST Report of Calibration
EDL's Metrology Laboratory will supply any sensor and instrument complete with a Report of Calibration Traceable to N.I.S.T. with Data for ONLY \$48.50 per temperature point.

Model	Temp Code	Temp.Range	Degrees Per Division	Price
NMP	02	-50° to 300°F	5°F	\$260.00
	06	0° to 600°F	10°F	
	10	0° to 1000°F	20°F	
	15	0° to 1500°F	20°F	
	52	-50° to 300°F (-50 to 150°C)	5°F (2.5°C)	
	56	0° to 600°F (-20 to 320°C)	10°F (5°C)	
	60	0° to 1000°F (-20 to 550°C)	20°F (10°C)	
	65	0° to 1500°F (-20 to 820°C)	20°F (10°C)	

Option

DW	Glass Window Display. ex: NMP-DW-06	\$30.00
CC-NMP	Carrying Case - Black Cordura; holds the instrument and a minimum of 2 sensors. (See Page 41)	\$25.00

Temperature Test & Measurement Instruments

Pocket-Probe® Digital

APPLICATION AREAS: Glass Manufacturing, Metals Industry, Chemicals, Plastics



- Portable high precision, high quality
- Sealed circuit board for extra protection
- Fast response, high noise immunity
- Rugged, dependable, high accuracy pyrometer
- Open sensor indicator
- Optional Jack Protector
- 5 year warranty

Available Option Package consists of:

Peak Hold Memory - Highest reading taken is stored in memory

Peak Hold Reset - Clears "Peak Hold" memory

Self-Test - Exclusive - Calibration test circuit verifies and displays the correct calibration

Magnetic Mounting - Adheres to any iron or steel surface

Specifications

Accuracy1°C (1°F)
 Resolution1°C (1°F)
 Display 127mm (1/2") LCD
 Battery9 volt
 Window . Tempered glass or Lexan®
 Thermocouple typeK, J, T, or E
 Dimensions5.75" x 3.9" x 2.2"
 Case ... ABS reinforced plastic alloy
 Weight 448g (16oz.)

Model	Temperature Range	Price
PDK-SC	TC Type K w/steel case -100 to 1200°C(-280° to 2000°F)	\$410.00
PDK	TC Type K -100 to 1200°C(-280° to 2000°F)	\$366.00
PDKO	with Option Package	\$418.00
PDJ	TC Type J -100 to 595°C(-280° to 1100°F)	\$366.00
PDJO	with Option Package	\$418.00
PDT	TC Type T -100° to 750°F	\$366.00
PDTO	with Option Package	\$418.00
PDE	TC Type E 0° to 1500°F	\$366.00
PDEO	With Option Package	\$418.00
X	Lexan® display window (add "X" to model number)	\$11.00
CC-PD	Carrying Case - Black Cordura: Holds instrument and a minimum of 2 sensors. (See Page 41)	\$25.00

Pocket-Probe® Sealed

APPLICATION AREAS: Food Industry, Food Safety, Chemicals, Oil, Military, Heating and Air Conditioning

- Case sealed against moisture, contaminants, dust, and it floats too.
- Peak hold memory standard
- Magnetic backing for hands free use
- Switchable from °F to °C
- Easily cleaned and disinfected
- 5 year warranty



Specifications

Accuracy 1°C (1°F)
 Resolution 1°C (1°F)
 Display 127mm (1/2") LCD
 Battery9 volt
 Window Tempered glass or Lexan®
 Thermocouple type K only
 Dimensions 5.5" x 4.3" x 2.5"
 Case ABS reinforced plastic alloy
 Weight 448g (16oz.)

Model	Temperature Range	Price
PSK	-280° to 2000°F(-100 to 1200°C)	\$415.00
X	Lexan® window (add "X" to model number)	\$11.00
CC-PS	Carrying case-black cordura; holds instrument and min. of 2 sensors.(See Page 41)	\$25.00

Temperature Test & Measurement Instruments

EZ Probe® General Purpose Pyrometer

APPLICATION AREAS: General Purpose, Food Industry, Manufacturing

- Compact pyrometer offers accuracy and durability at an economical price
- Input jacks at top and bottom give operator complete versatility
- Magnetic backing for hands-free use
- Low battery indicator on Models EZK-C and EZJ-C
- 1 year warranty



NIST Report of Calibration
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Specifications

Accuracy.....	1°C (1°F)
Display.....	127mm (1/2") LCD
Battery.....	9 volts
Window.....	Tempered glass or Lexan®
Thermocouple type.....	J or K with miniplug
Dimensions.....	4.8" x 2.7" x 1.0"
Case.....	ABS plastic alloy
Weight.....	174g (6.2oz.)

Model	Temperature Range	Accuracy	Price
EZK	-30° to 700°F	1°F	\$105.00
EZK-C	-20 to 925°C (0° to 1700°F)	-20° to 425°C= 1°C 450° to 925°C= 0.5% of reading (0°-800°F= 1°F 850°-1700°F= 0.5% of reading)	\$125.00
EZJ-C	-100° to 595°C (-280° to 1100°F)	1°C (1°F)	\$125.00
X	Lexan® display window (Add "X" to model number)		\$11.00
CC-EZ	Carrying case - Black Cordura; holds instrument and a minimum of 2 sensors. (See Page 41)		\$25.00

Dyna-Temp® Precision Series

APPLICATION AREAS: Laboratories, Manufacturing Facilities, Food Industry

- High precision and high accuracy
- Portable, lightweight, suitable for laboratory and industrial use
- Switchable from °F to °C
- Aluminum case shields Dyna-Temp® from RF and electrical noise interference
- 2 year warranty



Model	Temperature Range	Accuracy	Price
DTK	-35°-985°C	-20° to 425°C= 1°C	\$261.00
TC type K	(-30° to 1800°F)	450° to 925°C=0.5% of reading (0°-800°F= 1°F 850°-1700°F= 0.5% of reading)	
DTJ	-100° to 595°C	1°C	\$261.00
TC type J	(-280° to 1100°F)	(1°F)	
X	Lexan® display window (Add "X" to model number)		\$11.00
CC-DT	Carrying case - Black Cordura; holds instrument and a minimum of 2 sensors. (See Page 41)		\$25.00

Specifications

Accuracy.....	1°C (1°F)
Display.....	127mm (1/2") LCD
Battery.....	9 volt
Window.....	Tempered glass or Lexan® window
Thermocouple type.....	J or K with miniplug
Case.....	Formed aluminum
Dimensions.....	5.2" x 3.0" x 1.1"
Weight.....	238g (8.6oz.)

Temperature Test & Measurement Instruments

Acu-Probe® Compact Pocket Pyrometer

APPLICATION AREAS: Laboratories, Manufacturing, Chemicals, Oil, Military, Food

- Fits in your pocket
- Durable and accurate
- Portable and light weight
- Optional Stainless Steel handle
- Sealed circuit board
- 1 year warranty



Specifications

Accuracy 1°C (1°F)
 Resolution 1°C (1°F)
 Display 127mm (1/2") LCD
 Battery 9 volt
 Window Tempered glass or Lexan®
 Thermocouple type J or K
 Dimensions 1" x 5.2" x 1.8"
 Case Formed Aluminum
 Weight 174g (6.2oz w/ Battery)

Model	TC Type	Temperature Range	Price
BMD-24KN	TC Type K	-30° to 1800°F	\$280.00
BMD-24JN	TC Type J	-280° to 1100°F	
Acu-Probe			
H		Stainless Steel Handle	\$9.50
X		Acu-Probe with plastic window	\$11.00

Versa-temp® Series Portable Dual Input RTD

APPLICATION AREAS: Automotive, Chemical, Food Industry, Paper and Pulp

- 4-1/2" Digit LCD display
- Switchable between temperature/resistance tables (Pt385 for European curve and Pt3926 for American curve).
- Overrange display feature
- Auto power off feature if inactive for more than 30min
- Dual input allows for T1-T2 calculation automatically



Specifications

Accuracy 0.2°C (0.4°F)
 Resolution 0.1°C (0.2°F)
 Display Multifunctional LCD
 Battery9 volt
 Input connector 3 Wire RTD
 Dimensions (7.5" x 3.5" x 2")
 Weight 454g (16 oz.)

Model	Input	Temperature Range	Price
VT-11	RTD	Pt385 (100 ohms) -200°C to 800°C (-328°F to 1472°F) Pt3926 (100 ohms) -200°C to 630°C (-328°F to 1166°F)	\$205.00

Temperature Test & Measurement Instruments

Accutherm® Portable Temperature Monitoring System

APPLICATION AREAS: Fire Training “Burn-Building” Monitoring, Oven Mapping, Multi-Point Temperature Zones in Plastics and Food Processing, Heat Treating Facilities, Diesel Engine Industry

- Portable temperature monitoring system
- High accuracy, high precision
- 10 minijacks on front panel allowing easy connection of thermocouple sensors
- Remote individual measurement of temperatures with a built in 10-position switch
- Instrument is shock and water resistant when cover is closed
- 1 year warranty

Specifications

Accuracy	1°C (1°F)
Resolution	1°C (1°F)
Display	127mm (1/2”) LCD
Battery	9 volt
Window	Tempered glass or Lexan®
Thermocouple type	J or K miniplug
Dimensions	8.9” x 7.8” x 3.5”
Weight	1000g (35 oz.)
Case	ABS plastic alloy
Channels	10 standard



The Accutherm Temperature Monitoring System is available as a panel mount instrument for permanent applications.

Model	T/C Type	Temperature Range	Price
ATK	TC type K	-100 to 1200°C (-280° to 2000°F)	\$625.00
ATJ	TC type J	-100° to 595°C (-280° to 1100°F)	\$625.00

NIST Report of calibration
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Temperature Test & Measurement Instruments

Accutherm® Data Collection Unit

The Accutherm® Data Collection Unit is EDL's new precision instrument designed to monitor, record and download temperature readings from up to 20 different thermocouple inputs simultaneously. The RS232 Computer Interface allows the user to download data directly through Hyper-Terminal. The sealed heavy-duty case protects components from moisture and contamination.

APPLICATION AREAS: Fire Training "Burn-Building" Monitoring, Oven Mapping, Multi-Point Temperature Zones in Plastics and Food Processing, Heat Treating Facilities, Diesel Engine Industry

Standard

- Heavy duty water resistant case
- RS232 Computer Interface
- Menu Driven Screen for simple and efficient setup and operation
- 1 - 20 channels for monitoring and recording
- A.C. powered, 24 hour back up battery
- Back lit LCD for easy viewing
- Time Stamping



Specifications

Dimensions.....	15" x 19" x 8"
Weight	11.25kg (31Lbs)
Case	High Impact Plastic
Power	110 VAC 2 AMP
Battery	12 VDC 7AH
Accuracy.....	±1.0°F
CJC Accuracy	±0.5°F
Ambient	0°F to 120°F
Humidity.....	0 - 98%
Thermocouple Type.....	K, J, E, T, N, R, Special as Requested

Options

- USB and Ethernet Connectivity
- Alarm Cards
- Extended Redundant memory
- 2hz Sample Rate for all 20 channels

Model	T/C Type	Temperature Range	T/C Inputs	Price
ADCU	K, J, E, T, N, R, S, B, C Special as Required	Full scale of thermocouple type	20	\$6,000.00

LT-100 Microprocessor Based Thermocouple Instrument

EDL's brand new microprocessor based instrument is hand held and designed for high precision temperature measurement. This instrument incorporates features previously found only in much higher priced bench or rack mounted instruments. We have incorporated a precision cold end reference junction that is designed to accurately compensate for changes in ambient temperature and keep the instrument functioning at its highest accuracy. When the utmost accuracy is required, the internal electronic cold end reference can be set to external for use with an ice bath.

Specifications

Resolution	User Selectable 1, 0.1, 0.01
Accuracy	±0.1 °C
Readout	mV, K, °C, °F
Interface.....	RS232
Input	Uncompensated Mini TC Jack
Range of Display	Full Range Each TC
Size	11 cm x 19.2 cm x 6.0 cm (4.3" x 7.6" x 2.4")
Weight	1.5 lb.



Model	T/C Type	Temperature Range	T/C Inputs	Price
LT-100	K, J, E, T, N, R, S, B, C Special as Required	Full scale of thermocouple type	Mini-plug	\$825.00