

E-Z Probe® Pipe Fusion Temperature Monitoring System



EDL's E-Z Probe® Pipe Fusion Temperature Monitoring System is a must have for fusion jobsites. The E-Z Probe® Pyrometer, Surface Sensor and verification station are simply the best tools available for hassle free monitoring of critical temperatures associated with pipe fusion. All from an American manufacturer with a name you can trust – EDL, the Temperature People® since 1943.

Temperature Measurement Products

The E-Z Probe® Pipe Fusion Temperature Monitoring System includes the E-Z Probe® Pyrometer (General Purpose or Ultra models), Surface Sensor, Protective Cordura Carrying Case & NIST Traceable Calibration Certificate to meet your ISO standards. With the E-Z Probe® Pipe Fusion Temperature Monitoring System, quick and accurate temperature measurements are achieved with each reading - repeatable results you can count on. The STS Verification Station is now available for on-site testing of your E-Z Probe® Pyrometer and Surface Sensor. Equipped with a large 4" Aluminum block, you can now verify your sensor and pyrometer readings are correct - right from the jobsite. The STS allows for a laboratory grade check of your equipment, ensuring your precision temperature monitoring equipment is functioning properly. Demonstration videos are available on YouTube.



SPECIFICATIONS	
Accuracy	1 °C (1 °F)
Display	127mm (1/2") LCD
Battery	9 Volt
Window	Tempered Glass or Lexan®
Thermocouple Type	J or K Mini-plug
Dimensions	4.8" x 2.7" x 1.0"
Case	ABS Nylon Alloy
Weight	174g (6.2 oz)
Tested Ambient (EZ-Probe)	4 ° to 49 °C (40 ° to 120 °F)
Tested Ambient (EZ-Probe Ultra)	-10 ° to 50 °C (15 ° to 120 °F)
Response Time	3 Readings Per Second
Resolution	1 °C (1 °F)

Order Information

E-Z Probe® -Standard

Standard	Type	Temperature Range	Accuracy
EZK-C	K	-35 °C to 985 °C (-30 °F to 1800 °F)	± 1 °
EZJ-C	J	-35 °C to 985 °C (-30 °F to 1800 °F)	± 1 °
X	-	Lexan® display window (Add "X" to model #)	
CC-EZ	-	Black Cordura Carrying Case	

E-Z Probe® -Ultra (Extended Operational Range)

Ultra	Type	Temperature Range	Accuracy
EZK-U	K	-35 °C to 985 °C (-30 °F to 1800 °F)	± 1 °
EZJ-U	J	-100 °C to 620 °C (-280 °F to 1100 °F)	± 1 °
X	-	Lexan® display window (Add "X" to model #)	
CC-EZ	-	Black Cordura Carrying Case	

*All sensors sold separately.

E-Z Probe®, E-Z Probe® Ultra, & Cordura Carrying Case:

The E-Z Probe® and E-Z Probe® Ultra were designed for rugged durability and ease of use. Both pyrometers offer repeatable and accurate temperature readings, in a compact (easy to handle) package. These units are lightweight yet rugged; housed in heavy duty ABS Nylon Alloy. The LCD displays are easy to read even in daylight, and offer a resolution of 1°. E-Z Probe® pyrometers are compatible with any sensor terminated with a mini-plug; the EDL Surface Sensor (part# SS-12KM) is recommended for use during monitoring pipe fusion temperatures.

A protective Cordura Carrying Case is available (and recommended) for safe storing of your EDL temperature measuring equipment. The Cordura case is fortified with a heavy duty custom foam cutout to safely house your pyrometer and sensors. The heavy duty foam offers an added layer of protection for your equipment, and accommodates (2) EDL Surface Sensors and instruction manuals. Using the Cordura Case during the transportation and/or storage of your equipment helps prevent accidental damage - ensuring years of trouble free service for your equipment. When quality matters, count on EDL for accurate and repeatable temperature measurements.

The difference between the E-Z Probe® and E-Z Probe® Ultra:

The E-Z Probe® Ultra is available for use in the most harsh outside conditions - accommodating ambient temperatures from -10 °C (15 °F) up to 50 °C (120 °F)! The E-Z Probe® Ultra has the same great features as the original E-Z Probe®, but boasts an extended ambient operating temperature range - all at an economical price. NIST traceable calibration is available.

Pipe Fusion Favorite!



Inspectors #1 Choice!

FEATURES OF E-Z PROBE® PYROMETERS:

- Available in Thermocouple Types K or J
- Completely Versatile - input jacks at top & bottom
- Easy to read LCD display
- Display: 1° resolution
- NIST traceable calibration available to meet ISO standards
- Low battery and open sensor indicator
- Runs on 9 volt battery
- One year warranty
- Magnetic backing
- Shatter free Lexan window available
- Housed in heavy duty ABS Nylon Alloy

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Temperature Measurement Products

Surface Sensor (Part # SS-12KM):

The EDL Surface Sensor is ideal for measuring the surface temperatures associated with pipe fusion. The "SS Style" Surface Sensor is hand-crafted, and delivers high accuracy results with extremely fast response times. It has a self-aligning two coil sensing tip that ensures proper placement and contact. The two coil thermocouple sensing tip is housed in a ceramic head capable of monitoring temperatures up to 1200°F. These sensors have been an industry favorite for decades, and are all still hand crafted in our Virginia manufacturing facility. These sensors come with a 32" long standard lead with a 3" removable extension handle designed for ease of use. All EDL Surface Sensors may be easily checked on site using the STS Verification Station.

FEATURES:

- Designed to measure all flat, smooth surfaces
- Two-coil design improves response time & accuracy
- Rated up to 650 °C (1200 °F)
- Ideal for use in plastics & glass processing as well as many other applications
- High temperature Surface Sensors rated up to 815 °C (1500 °F) are available
- All standard Surface Sensors come with a removable 3" plastic extension handle



Surface Sensor



STS-COOL
Now Available
For Cold
Applications!

STS Surface Transfer Standard/ Verification Station

Available
with 2.5" or
4" Testing
Block



STS-SC2-4 4" ALUMINUM TESTING BLOCK

The long-time trusted reliability of our STS Calibrators / Verification Stations is now available with an extra-large 101.6mm (4") Aluminum testing block, big enough to accommodate virtually any surface sensor. The Aluminum block is precision machined and allows for repeatable calibrations at any temperature from ambient up to 350 °C. This uniform testing surface ensures the absolute best and most consistent possible conditions for verifying your sensors accuracy. The entire unit weighs ~ 25lbs., and was designed with the user in mind.

Need something more specific? We've got your solution.

If our massive stock of off-the-shelf products still doesn't have exactly what you need, then we'll build it for you. That's why we're the world leader in temperature sensor technology: for the past seventy-six years, we've never stopped pushing the boundaries of what's possible. Call us today and let's get started.

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