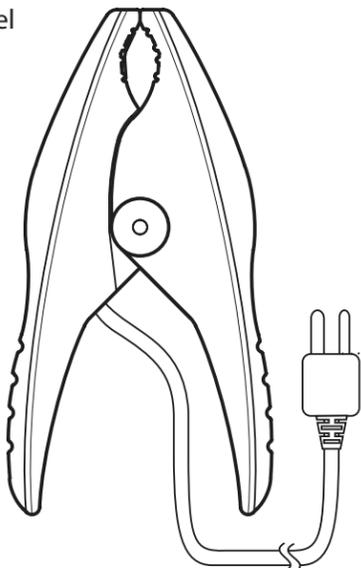


# Fieldpiece®

Pipe Clamp Type K Thermocouple (3/8" to 1 3/8")

## OPERATOR'S MANUAL

Model TC24



### Quick Start

1. Plug your TC24 into any type K thermocouple jack.
2. Perform a field calibration for best accuracy.
3. Clamp onto suction or liquid line.
4. Take the measurement when the reading stabilizes.

### Field Calibration

Due to variances in the thermocouple wire and other parts of the system, a field calibration to a known temperature (ice water) should be conducted before use. Depending on the meter, field calibration typically gives  $\pm 1^\circ\text{F}$  ( $\pm 0.5^\circ\text{C}$ ) overall accuracy.

### WARNING

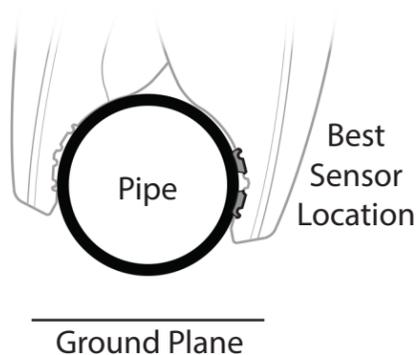
Do not remove the clamp from a pipe by pulling on the cord. Doing so may damage the sensor. The entire TC24 may become hot when testing hot pipes or cylinders. Use caution handling.

### Description

Use your new TC24 Pipe Clamp Type K Thermocouple to take temperatures of pipes or any other cylindrical surface between 3/8" and 1 3/8".

The clamping range covers most sizes seen in residential and light commercial cooling systems. Connect to any thermometer with a Type K thermocouple jack.

The sensor is specifically designed for pipe temperature readings. Readings are extremely accurate and fast. Easily measure temperatures of pipes that are fixed, at any angle, to walls or other surfaces.



### Specifications

**Pipe Size Compatibility:** 3/8" to 1 3/8" OD (9.5mm to 34.9mm OD)

**Sensor Type:** Type K thermocouple (nickel chromium/nickel aluminum)

**Plug Type:** Type K male mini plug

**Cable Length:** 6 feet (1.8 m)

**Measurement Range:**

-50°F to 257°F (-46°C to 125°C)

Plastic body and wire insulation are designed to withstand a maximum continuous temperature of 257°F (125°C).

**Stabilization Time:** 30 seconds typical

**Accuracy:**  $\pm 4.0^\circ\text{F}$  ( $\pm 2.2^\circ\text{C}$ ) thermocouple only

$\pm 1.0^\circ\text{F}$  ( $\pm 0.6^\circ\text{C}$ ) after field calibration\*

\*Meets California's Title 24 Specifications

**Dimensions:** 135mm(H) x 72mm(W) x 35mm(D)

**Weight:** Approx. 140g

### Certifications



CE



RoHS

RoHS compliant



UK  
CA

UK Declaration of  
Conformity

### Limited Warranty

This product is warranted against defects in material and workmanship for one year from date of purchase from an authorized Fieldpiece dealer. Fieldpiece will replace or repair the defective unit, at its option, subject to verification of the defect.

This warranty does not apply to defects resulting from abuse, neglect, accident, unauthorized repair, alteration, or unreasonable use of the instrument.

Any implied warranties arising from the sale of a Fieldpiece product, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the above. Fieldpiece shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim of such damage, expenses, or economic loss.

Local and national laws may vary. The above limitations or exclusions may not apply to you.

### Obtaining Service

Visit [www.fieldpiece.com/rma](http://www.fieldpiece.com/rma) for the latest information on how to obtain service in the U.S. and Canada.

For customers outside the U.S., warranty for products should be handled through local distributors.

Visit [www.fieldpiece-europe.com/store-locator](http://www.fieldpiece-europe.com/store-locator) for local distributors in Europe.

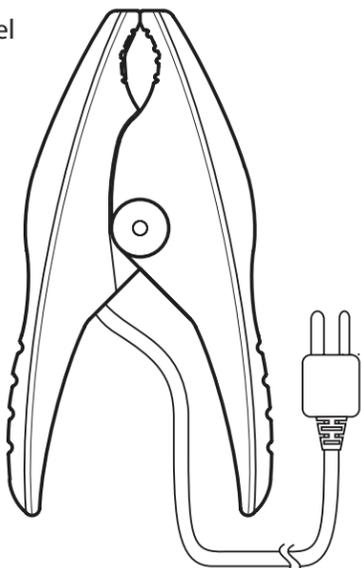
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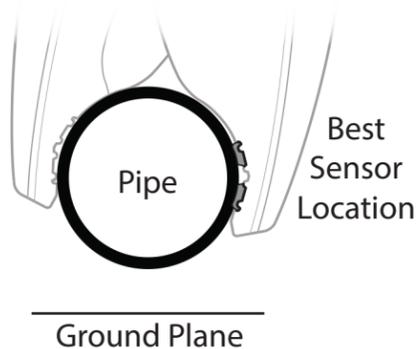
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