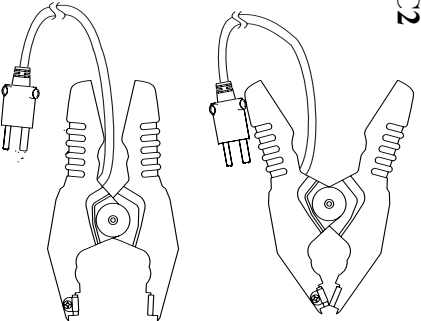


## Pipe Clamp-on, K-type, Thermocouple

For pipes to 2.25" diameter

Model: ATC2

Max: 400°F



### Description

The ATC2, K-Type, pipe clamp thermocouple can be used to take temperature of pipes or any other cylindrical surface under 2 1/4" outside diameter. The ATC2 can greatly facilitate taking a superheat or subcooling measurement on most residential and commercial refrigeration appliances or air conditioners. The ATC2 can also take the temperature readings of pipes attached to walls and other surfaces. The ATC2 can be used with any thermometer which accepts a K-type thermocouple.

The ATC2's clamping ability allows the user to affix the ATC2 to a pipe for an accurate, hands free measurement. The ATC2 will also stay put in virtually any pipe orientation including vertical pipes. With a 180°F maximum temperature, the ATC2 is very versatile in its application.

### Operation

To use the ATC2, plug it into any thermometer accepting a K-type thermocouple and adjust the device to the appropriate settings. Simply clamp it to a pipe and take measurement when reading stabilizes.

### Calibration

Due to variances in the thermocouple wire and other parts of the system, a field calibration should be conducted before use. Field calibration typically gives +/- 1°F overall accuracy. The instructions for

this calibration should be in the operating manual for the thermometer.

### Specifications

**Pipe diameter:** jaw opens from 3/8" (9.925mm) to 2 1/4" (57.15mm).

**Thermocouple conductors:** K-type nickel chromium/nickel aluminum, 23000°F maximum (pipe clamp resin and insulation limits max. See probe insulation and clamp resin).

**Accuracy:** -50°F to 180°F +/- .4°F.  
**Range:** -50°F (-46°C) to 180°F (82°C) maximum continuous operation.

**Probe insulation and clamp resin:** while calibration and atmosphere will affect maximum useful temperature in applications, the wire insulation and clamp resin are designed to withstand a maximum continuous use at 180°F (82°C).

**Plug:** K-type thermocouple male mini plug.  
**Typical stabilization time:** 2 1/2 minutes.



**WARNINGS**

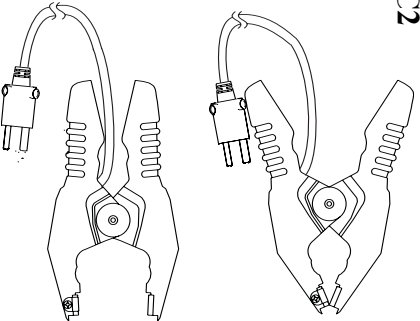
When testing hot pipes or cylinders, the thermocouple and metal band may become hot. Do not handle the thermocouple or the metal band when hot.

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### Warranty

The ATC2, K-Type, clamp-on thermocouple is warranted against manufacturer's defects for one year. This warranty does not apply to defects resulting from abuse, neglect, accident, unauthorized repair, alteration, or unreasonable use of the instrument. Any implied warranty arising out of the sale of Fieldpiece's products including but not limited to implied warranties of merchantability, and fitness for purpose, are limited to the above. Fieldpiece shall not be liable for incidental or consequential damages.

### Service

Any defective ATC2 should be returned to Fieldpiece for warranty service along with proof of purchase. Out of warranty repair charge is \$35.



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OPERATOR'S MANUAL



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