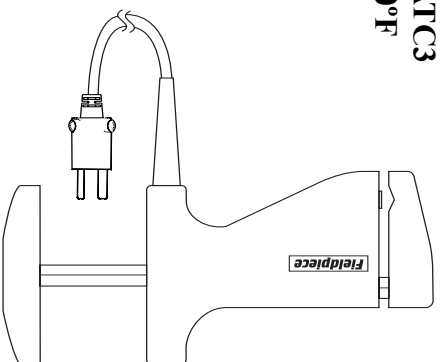


Pipe Clamp-on, K-type, Thermocouple

For pipes to 1.375" diameter

Model: ATC3

Max: 300°F



Description

The ATC3, K-Type, pipe clamp thermocouple can be used to take temperature of pipes or any other cylindrical surface under 1 3/8" outside diameter. The ATC3 can greatly facilitate taking a superheat or subcooling measurement on most residential and commercial refrigeration appliances or air conditioners. The ATC3 can be used with any thermometer which accepts a K-type thermocouple.

The ATC3's clamping ability allows the user to affix the ATC3 to a pipe for an accurate, hands free measurement. With a 300°F maximum temperature, the ATC3 is very versatile in its application.

Operation

To use the ATC3 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.

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OPERATOR'S MANUAL

Specifications

Pipe diameter: jaw opens from 3/8" (7.94mm) to 1 3/8" (34.925mm).

Thermocouple conductors: K-type nickel chromium/nickel aluminum, 2300°F maximum (pipe clamp resin and insulation limits max. See probe insulation and clamp material).

Accuracy: -50°F to 300°F +/- .4°F.

Range: -20°F(-29°C) to 300°F(149°C) maximum continuous operation.

Probe insulation and clamp material: while calibration and atmosphere will affect maximum useful temperature in applications, the wire insulation and clamp material are designed to withstand a maximum continuous use at 300°F(149°C).

Plug: K-type thermocouple male mini plug.

Typical stabilization time: 20 seconds.



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 ATC3, 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 ATC3 should be returned to Fieldpiece for warranty service along with proof of purchase. Out of warranty repair charge is \$55.



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