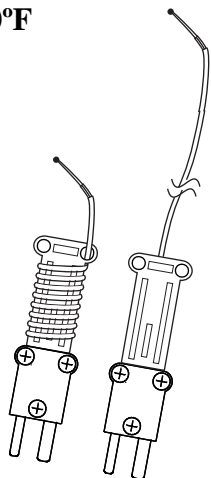


K-type Thermocouple

Model: ATB1

Max: 400°F
(204°C)



OPERATOR'S MANUAL

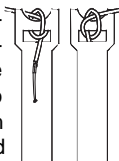
Description

The ATB1, K-Type, thermocouple can be used continuously to take temperature readings up to 400°F (204°C) and a one time use of 482°F (250°C). The ATB1 can be used with any thermometer which accepts a K-type thermocouple.

The velcro allows the user to strap the ATB1 to a pipe, allowing the user to take hands free, more accurate measurement. The ATB1 also comes with a wrap tab making it easy to wind and store the thermocouple.

Operation

To use the ATB1 plug it into any thermometer accepting a K-type thermocouple and adjust the device to the appropriate settings. To use velcro strap, Insert the thermocouple through the velcro as shown to the right and strap it to the pipe.



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° overall accuracy. The instructions for this calibration should be in the operating manual for the thermometer.

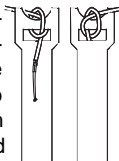
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Broken Wires:

Due to frequent bending, the K-type thermocouple wire may break or come loose. To repair, cut and strip the thermocouple wire near the plug. The red wire is the (-) wire and it belongs on the wider of the two plugs. Loosen the screws on plugs and wind the conductors around the appropriate screws and tighten. Finally, position the plugs into the tab and screw the tab back together.

Specifications

Thermocouple Conductors: K-type Nickel

Chromium/Nickel Aluminum, 2300°F (1260°C) maximum (insulation limits max. see probe insulation).

Accuracy: -50 to 400°F ± 4°F, -46 to 204°C ±2°C

Range: -50 to 400°F (46 to 204°C) maximum continuous operation.

Probe insulation: While calibration and atmosphere will affect maximum useful temperature in applications, this insulation is designated to withstand a maximum continuous use at 400°F (204°C) and a single exposure use at 482°F (250°C).

Plug: K-Type Thermocouple male mini plug.

⚠ WARNING ⚠

When testing hot temperatures, the thermocouple and velcro may become hot. Do not handle the thermocouple or the velcro when hot as bodily injury may occur.

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Warranty

The ATB1, K-Type, 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

Call Fieldpiece Instruments for one-price-fix-all warranty service pricing. Send check or money order for the amount quoted. Send the meter freight prepaid to Fieldpiece Instruments. Send proof of date and location of purchase for in-warranty service. The meter will be repaired or replaced, at the option of Fieldpiece, and returned via least cost transportation.

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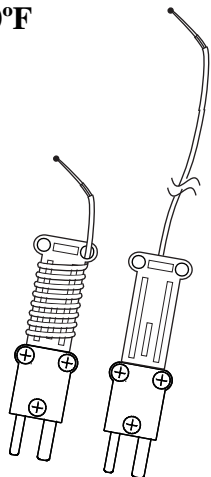
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