

## K-type Thermocouple for Fluids

**Model: ATF1**

**Max: 1500°F**



**OPERATOR'S MANUAL**

## Description

The ATF1 is a K-Type rod thermocouple. K-type thermocouples plug directly into all Fieldpiece meters and accessories that use thermocouples. Fieldpiece thermocouples are faster than typical thermistor based thermometers.

When measuring, try to submerge as much of the rod as possible without getting too close to any dangerously hot liquid.

Some meters have thermocouple inputs on the face. In this case, Fieldpiece model ATEXT thermocouple extension will give you the flexibility you need.

## Operation

To use the ATF1 plug it into any thermometer accepting a K-type thermocouple and adjust the device to the appropriate settings.

## Calibration

Due to variances in the thermocouple metal 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

**Thermocouple Conductors:** K-type Nickel Chromium/Nickel Aluminum, 2300°F maximum (max. temp. is limited by insulation, see probe insulation).

**Accuracy:** 32°F to 518°F +/- X°F,  
518°F to 1652°F +/- 0.75%

**Range:** -X°F to XXX°F maximum continuous operation. Single exposure use at X°F.

**Operating temp:** 32°F to 1202°F (0°C to 650°C)

**Probe length:** 6"

**Plug:** K-Type Thermocouple male mini plug.



## Warranty

The ATF1, K-Type, high temperature 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

Return any defective ATF1 to Fieldpiece for warranty service along with proof of purchase. Contact Fieldpiece for out of warranty repair charges.



Fieldpiece Instruments, Inc.  
California, U.S.A.  
[www.fieldpiece.com](http://www.fieldpiece.com)

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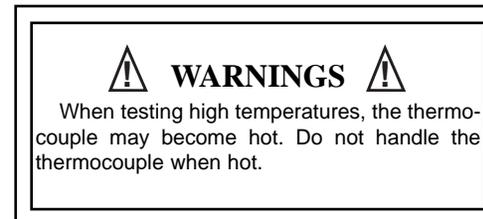
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