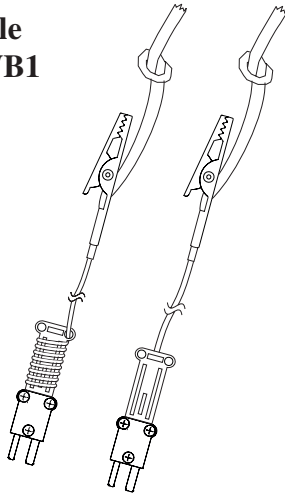
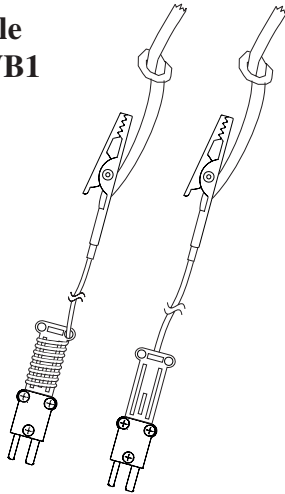


**K-type, Clip-on
Wet Bulb
Thermocouple
Model: ATWB1
Max: 150°F**



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Description

The ATWB1 is an inexpensive and effective way to take a wet bulb measurement. The ATWB1 is equipped with a durable hydrophillic sock specifically designed for wet bulb measurements. Increasing the reliability in the wet bulb measurements. The alligator clip allows the user to affix the ATWB1 to a fixed surface, such as a vent, allowing the user to take hands free measurements. The ATWB1 also comes with a wrap tab making it easy to wind and store the thermocouple.

The ATWB1, K-Type, thermocouple can be used continuously to take temperature readings up to 150°F. The ATWB1 can be used with any thermometer which accepts a K-type thermocouple.

Operation

To use the ATWB1 plug it into any thermometer accepting a K-type thermocouple and adjust the device to the appropriate settings. Then submerge socked probe tip under water until it is fully saturated and place ATWB1 probe in air flow. The wet bulb reading will be the lowest reading before the temperature rises back up.

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

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

Specifications

Thermocouple: K-type Nickel Chromium/Nickel Aluminum.

Accuracy: -50°F to 150°F +/- 4°F,

Range: -50°F to 150°F maximum continuous operation.

Probe insulation: While wire insulation may be designated for higher temperatures, due to the flammability of the wet sock we recommend that a maximum measured temperature of 150°F.

Plug: K-Type Thermocouple male mini plug.

Broken Wires:

Due to frequent bending, the K-type thermocouple wire may break or come loose, typically near the plug. 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.



WARNINGS



When testing hot temperatures, the thermocouple and metal alligator clip may become hot. Do not handle the thermocouple or the metal clip when hot.

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Warranty

The ATWB1, K-Type, clip-on, wet bulb 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 ATWB1 should be returned to Fieldpiece for warranty service along with proof of purchase.



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(714) 257-9060 Fax: (714) 257-9069
www.fieldpiece.com

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