

K-Thermocouple adapter

for the LogIT Microsense® system

Instructions



Overview

The K-Type Thermocouple adapter is a complete thermocouple amplifier and conditioner built into a small case that plugs directly into LogIT. Any standard K-Type probe, within the adapters operating range, can be used.

Note that a K-Type device by its very design is not a highly accurate device. For low range accurate temperature readings use a LogIT ProTemp (-30 to 130°C)

In Use

Always plug the adapter directly into LogIT, not a remote extension lead.

Use proper thermocouple extension cable for extending the probe leads and observe polarity of wire and connections.

Never plug anything into the K-type adapter other than an approved K-type probe. If using more than one K-type adapter in the same LogIT, ensure the probes do not electrically connect with each other through the surface or substance being measured.

Specification

Probe Range: -50°C to +1100°C

Resolution: 1°C

Accuracy: 1% of range \pm 2 digits nominal (+ probe errors)

Automatic 'cold' junction compensation.

Care

Never expose the adapter to liquid, condensation or extreme temperatures.

Protect from dirt and other foreign particles entering the sensor.

Do not attempt to disassemble - there are no user serviceable parts inside.

Example Applications

Using an appropriate K-Type Thermocouple:

Melting point of substances

Combustion of different fuels

Heat conduction through different metals

Temperature distribution of a Bunsen flame

Monitoring the cooking of food

Kiln temperatures



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or Retailer for recycling advice.

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