

User Manual

Introduction:

Arctic Hayes Air & Liquid Temperature Probe is designed for use with any K-type compatible thermometer or Multimeter that supports K-type Input. It has a temperature range of -40°C ~ 250°C and has a response time of 0.5 seconds. It is connected to a K-type thermometer by a K Type 2 pin sub-miniature plug.

NOTE: Always ensure that the + and - pins of the plug are inserted correctly into the thermometer (see Fig 1) Failure to do this will result in an inaccurate reading.

Fig.1



Features:

- Probe size: 100mm x 5mm.
- Probe material: Stainless steel probe with 3mm diameter perforations to allow air flow around the thermocouple bead.
- 1m PVC lead (Curly).

Technical:

- **Range:**
-40°C ~ 250°C
-40°F ~ 482°F
- **Accuracy:**
± 1.5°C (Class 1)
- **Response Time:**
0.5 Seconds
- **Compliance:**
BS EN60584-1
BS EN60584-3
- **Sensor Type:**
1m K-type Thermocouple
- **Probe Type:**
Air & Liquid
- **Connection Type:**
K Type: 2-Pin Sub-Miniature plug

Applications:

- Ideal for measuring a wide range of temperatures, in air & liquids including water, oils, detergents, semi-solids & non-toxic chemicals. If the probe is immersed in a liquid, avoid touching the sides i.e. sides of the container to maintain the most accurate reading of the liquid.
- Ambient temperature measurement.
- Ideal for temperature measurement in small openings.

Warning:

You should not stretch the coiled cable of any probe, to reach an item to be measured. We would recommend that you ALWAYS move BOTH the Air & Liquid probe and the thermometer toward what is being measured. This will help avoid unnecessary stress on the wires. The coiled cable or probe handle should not come into contact with hot surfaces.

DO NOT touch the tip after measuring temperature to prevent burns.

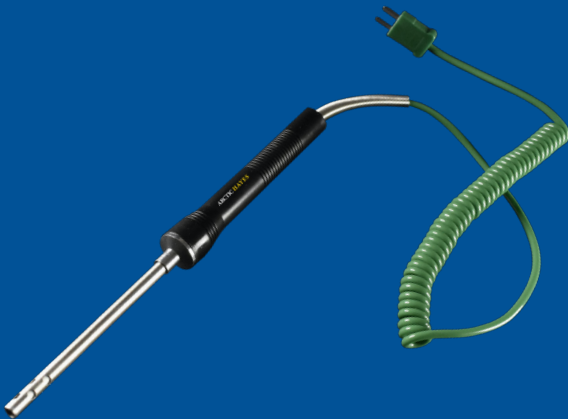
DO NOT bend the probe stem.

DO NOT overstretch the lead.

TPA1



Before using the instrument, please read this manual carefully, and save for future reference.



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AIR & LIQUID TEMPERATURE PROBE

ARCTIC HAYES



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Do not dispose of the unit with the usual domestic refuse.
Do not burn the product.

 **WEEE Directive 2012/19/EU** At the end of the product life, dispose of the instrument & batteries in a corresponding recycling centre.
1 year warranty against any manufacturing defects or faulty workmanship. This warranty does not cover fuses, disposable batteries or damage from accident, neglect, misuse, alteration, contamination or abnormal conditions of operation or handling.