

# User Manual

## Introduction:

Arctic Hayes Surface 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 ~ 600°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 6mm with 15mm diameter probe tip.
- Probe material: Stainless steel probe
- 1m PVC lead (Curly).

## Technical:

- **Range:**  
-40°C ~ 600°C  
-40°F ~ 1112°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:**  
Surface
- **Connection Type:**  
K Type: 2-Pin Sub-Miniature plug

## Applications:

- Ideal for measuring the surface temperatures of radiators, hot plates and pipes.
- Ideal for temperature measurement on all flat surfaces.

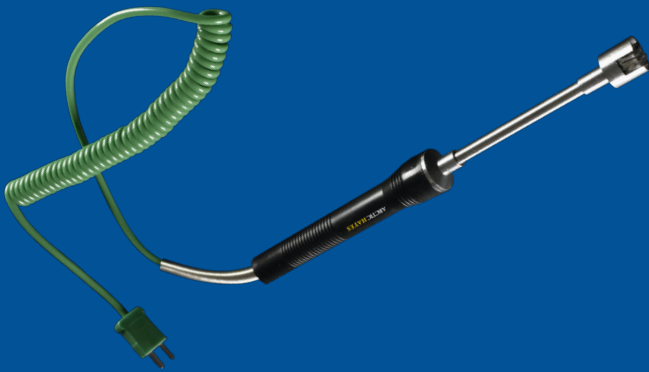
## Warning:

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 surface 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.

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



TPS1



User Manual

**ARCTIC HAYES**  
**TEMPERATURE PROBE SURFACE**



**WEEE Directive 2012/19/EU** At the end of the product life, dispose of the instrument & batteries in a corresponding recycling centre. Do not dispose of the unit with the usual domestic refuse. Do not burn the product.

**Limited warranty**  
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.

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