

ARCTIC
HAYES

3-IN-1
THERMOMETER

WITH CLAMP, STEM PROBE & INFRARED
User Manual



A998724

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

This device is a non-contact (infrared) thermometer and contact (probe & clamp) thermometer.

Simply aim the thermometer at the target and press the measurement button to display the surface temperature.

The distance to target ratio is 1:1 therefore the thermometer should be positioned as close to the target as possible.

Features

- User selectable °C or °F
- Data Hold
- Overrange indication
- Automatic Power Off
- Emissivity Digitally adjustable from 0.10 to 1.00
- MAX,MIN ,LOCK modes
- Resolution 0.1°C (0.1°F)

Wide Range Application

Food preparation, Safety inspectors, Plastic molding, Asphalt, Marine and Screen printing, measure ink and Dryer temperature, HVAC/R, Diesel and Fleet maintenance.

°C or °F Mode

To change this thermometer from °C to °F or from °F to °C, when you using infrared to measuring, firstly turn the instrument on by pressing the "IRT" button, release the "IRT" button to hold measuring data. Then press the "MODE" button four times, the °C or °F symbol will flash, press the "IRT" button or " Δ " button to change the scale.

When you using Probe or Clamp to measuring, you can directly press "MODE" button once to change the scale.

MIN or MAX Mode

To utilize this thermometer MIN or MAX mode, firstly turn the instrument on by pressing the "IRT" button, release the "IRT" button to hold measuring data. Then press the "MODE" button once for MIN or twice for MAX function.

The “MIN” or “MAX” icon will flash, then press the “IRT” button to confirm the “MIN” or “MAX” mode. The thermometer will display the MIN or MAX reading only.

LOCK Mode

The LOCK mode is particularly useful for continuous monitoring of temperatures . To utilize this thermometer’s LOCK mode. firstly turn the instrument on by pressing the “IRT” button, release the “IRT” button to hold measuring data. Then press the “MODE” button three times for the LOCK mode function. The “LOCK” icon will flash, then press “IRT” button to confirm the LOCK measurement mode. The thermometer will continuously display the temperature.

Emissivity Adjustment Mode

The Emissivity Adjustable Mode useful for adjustable the emissivity. firstly turn the instrument on by pressing the “IRT” button, release the “IRT” button to hold measuring data. Then press the “MODE” button five times for the Emissivity Adjustable Mode function. press the “ Δ ” button or “IRT” button adjustable the Emissivity.

Clamp or Probe Mode

To change this thermometer from Clamp to Probe or from Probe to Clamp, firstly turn the instrument on by pressing the "ON/OFF" button. If you open the Probe, this thermometer will measure by Probe, and when you close the Probe, the thermometer will measure by Clamp.

Auto Power Off

To save battery life, when the thermometer is in data hold mode, it will automatically turn off after approximately 15 seconds. When the thermometer is working, it will automatically turn off after approximately 20 minutes.

Specification

General specification	
IR Temperature Range	-35°C~260°C (-31°F~500°F)
Response Time	Less than 500ms
Infrared Accuracy	±2% of reading or ±2°C / ±4°F
Optical Resolution	1:1 distance to spot size
Emissivity	Adjustable 0.10 ~ 1.00
Probe Temperature Range	-40°C to 260°C (-40°F to 500°F)
Clamp Temperature Range	-40°C to 230°C (-40°F to 446°F)
Temperature Accuracy	±1.5% ±2°C (±3.8°F)
Resolution	0.1°C (0.1°F)

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.



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.



Arctic Hayes Ltd
9 Millshaw Park Ave | Leeds
LS11 0LR | United Kingdom
sales@arctic-hayes.com
www.arctic-hayes.com
+44(0)113 271 5245

Arctic Hayes Ltd
Ipco B.V, Spinel 400
3316 LG Dordrecht
The Netherlands
info@arctic-hayes.eu
+44(0)113 271 5245