

DURATOOL

MODEL: D03129

Digital Thermometer

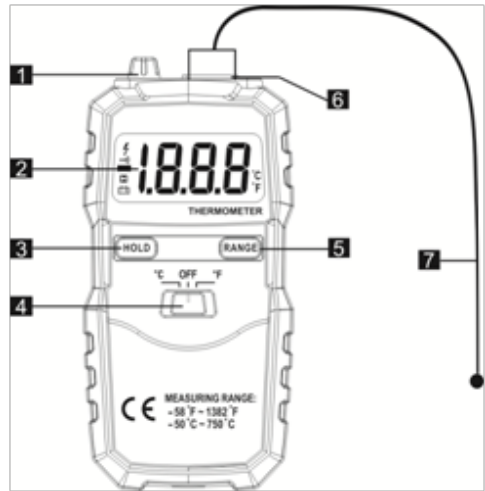
IMPORTANT SAFETY INFORMATION

Please read these instructions carefully before use and retain for future reference.

- When using electrical appliances basic safety precautions should always be followed.
- Before use, check that there is no damage to the instrument, there is no metal exposed or sign of wear to the insulating layer of the probe.
- When the low battery indicator is displayed, replace the battery immediately to avoid any potential measurement error.
- If the thermometer is not going to be used for a long period of time, remove the batteries to avoid any potential product damage caused by battery leakage.
- The instrument is not suitable for fast measuring changes in ambient temperature.
- Do not allow the thermocouple probe to contact charged objects, otherwise it may damage the instrument.
- Do not fold the thermocouple leads, as repeated bending over a period of time may cause the wire to break.

OVERVIEW

1. Room temperature sensor
2. LCD
3. Data hold key
4. Slide switch <ul style="list-style-type: none">• OFF - Power off• °C - Celsius display unit• °F - Fahrenheit display unit
5. Range selection key: Range switching 0.1 or 1 resolution
6. Thermocouple jack
7. K-type thermocouple probe




USAGE

- Insert the K-type thermocouple into the thermocouple jack.
- Move the slide switch to the “°C” or the “°F” position.
- Place the thermocouple probe in contact with the measured object.
- Read the results on the LCD.
- If the value displayed is less than 200, you can choose to display 0.1 range resolution by pressing the “RANGE” button.

Note: When the thermocouple is not inserted into the thermocouple or the thermocouple is open, the instrument will display the temperature of the environment.

GENERAL SPECIFICATIONS

Working environment conditions	0~40°C (<80%RH)
Storage environment conditions	-10~60°C (<70%RH, without batteries)
Sampling rate	About two times/second
Display	3½ bit LCD
Thermocouple open indication	Displays the environment temperature
Low battery indication	 will be displayed on the LCD
Power requirement	2 x 1.5V AAA batteries
Dimensions	128 x 61 x 25mm
Thermocouple probe	TP-01 type K Range: -50°C~250°C (-58°F~482°F) Accuracy: ± (0.5% + 1°C) Length: 1m, with a miniature plug

ACCURACY SPECIFICATIONS

- The accuracy is applicable within one year of calibration.
- Reference conditions: the environmental temperature is 18°C to 28°C and relative humidity is no more than 80%.

Celsius		
Range	Resolution	Accuracy
-50°C ~ -20°C	0.1°C	± 6°C
-20°C ~ 0°C	0.1°C	± 3°C
0° ~ -200°C	0.1°C	± (1% reading + 2°C)
200°C ~ -500°C	1°C	± (1% reading + 2°C)
500°C ~ -750°C	1°C	± (1% reading + 3°C)

Fahrenheit		
Range	Resolution	Accuracy
-58°F ~ -4°F	0.1°F	± 8°F
-4°F ~ 32°F	0.1°F	± 5°F
32°F ~ 200°F	0.1°F	± (1% reading + 4°F)
200°F ~ 932°F	1°F	± (1% reading + 4°F)
932°F ~ 1382°F	1°F	± (1% reading + 5°F)

CLEANING & MAINTENANCE

- Do not attempt to repair the instrument unless you are an experienced repair person and have associated calibration, performance testing and maintenance information.
- To clean the outer casing, use a clean, damp cloth and some mild detergent.
- Do not use any chemicals, abrasives or solvents that may damage the instrument.

REPLACING THE BATTERIES

- When the low battery indicator is displayed, replace the battery immediately to avoid any potential measurement error.
- Turn off the power supply to the instrument.
- Loosen the screws of the battery cover and replace the battery cover.
- Remove the old batteries and replace with new ones.
- Replace the battery cover and tighten the screws so the cover is secure.



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

This symbol indicates that separate collection of Waste Electrical and Electronic Equipment (WEEE) or waste batteries is required. Do not dispose of these items with general household waste. Separate for the treatment, recovery and recycling of the materials used. Waste batteries can be returned to any waste battery recycling point which are provided by most battery retailers. Contact your local authority for details of the battery and WEEE recycling schemes available in your area.

