

BlueTherm® Probes

with *Bluetooth*® wireless technology

- securely transmits data up to 20 metres
- eliminates wires, cables & connectors

This BlueTherm Probe transmits temperature data to your Android, Windows CE mobile, iOS or *Bluetooth*® wireless device via a secure connection. The probe is specifically designed to eliminate the need for wires and connectors which often cause many traditional probes to break or fail.

The BlueTherm Probe measures and transmits temperature over the range of -49.9 to 249.9 °C with a 0.1°C resolution. The unit will securely transmit temperature data up to a maximum of 20 metres (*line of sight*).





Each BlueTherm Probe incorporates a heavy duty ribbed, polypropylene handle with built-in red and blue LED. The flashing blue LED indicates *Bluetooth*® comms transfer, the red LED indicates on/off and power status.

Each probe is supplied with basic 'App' software. A variety of BlueTherm probes are available, see below or contact our sales office for information on alternative models. An SDK can also be provided on request. Offer further protection by fitting a silicone boot - see page 36.



specification	Probe	IR
range	0.1 °C	-49.9 to 249.9 °C
resolution		0.1 & 1 °C/°F
accuracy - probe		±0.4 °C ±0.1 % of reading
accuracy - IR		±2 °C or 2 % of reading (whichever is greater), below -30 °C is ±3 °C
battery		1 x AAA NiMH Rechargeable
battery life - minimum	10 hours	8 hours
battery life - maximum		36 hours*
sensor type	K thermocouple	infrared
dimensions	Ø40 x 260 mm	Ø40 x 120 mm
weight	90 grams	65 grams

*sample rate & host device dependant

		order code	
fast response probe  Ø3.3 x 130 mm	This reduced tip, fast response, stainless steel penetration probe is suitable for liquids and semi-solids including fish, fruit and other soft or delicate materials. Response time less than one second. Probe temperature range -49.9 to 249.9 °C.	179-100 (android)	
		179-200 (iOS)	
penetration probe  Ø3.3 x 130 mm	This stainless steel penetration probe is versatile, strong and is suitable for many temperature measurement applications including liquids, semi-solids and granular materials. Response time less than three seconds. Probe temperature range -49.9 to 249.9 °C.	179-102 (android)	
		179-202 (iOS)	
BlueTherm® IR 	This non-contact BlueTherm IR is ideal for measuring surface temperatures. Simply aim to transmit the temperature to your wireless device. Temperature range -49.9 to 249.9 °C with a distance to target ratio of 5:1, therefore the thermometer should be positioned as close to the target as possible.	179-400** (android)	
		179-402** (iOS)	
ribbon surface probe  Ø8 x 130 mm	This ribbon surface probe utilises flat ribbon technology that ensures a fast, accurate response with minimal heat loss. Ideal for measuring the temperatures of small and large stationary metallic surfaces. Response time less than 0.5 of a second. Probe temperature range -49.9 to 249.9 °C.	179-106 (android)	
		179-206 (iOS)	

*Please note: All readings on models 179-400 & 179-402 are subject to correct emissivity settings and settled isothermal conditions



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COMING SOON
 BlueTherm® LE version

data-loggers

