

## Therma pen thermometers



The Fast Response (FR) Thermanpen pocket thermometers are 'probably' the fastest reading contact thermometers on the market today. The true temperature of a product can be tested in just four seconds by the FR Thermanpen. The response time of any thermometer is dependant on many factors, the mass of the sensing tip, heat transfer and, most importantly, the state of the substance being measured.

The Thermanpen FR digital thermometer utilises a type K thermocouple sensor that is faster to respond to changes in temperature than most comparable thermometers. This is due to the thermocouple sensor's small physical size; being small in size also allows minimal immersion depth. The other significant benefit of using a thermocouple sensor is the durable and robust nature of the sensor element.

specification	FR Thermanpen 1	FR Thermanpen 5
range	-49.9 to +199.9°C	-50 to +300°C
resolution	0.1°C	1°C
accuracy	±0.4°C ±1 digit	±1% ±1 digit
battery	12 volt MN21	12 volt MN21
battery life	100 hours	100 hours
sensor type	K thermocouple	K thermocouple
display	12.7 mm LCD	12.7 mm LCD
dimensions	19 x 47 x 153mm	19 x 47 x 153mm
weight	97 grams	97 grams

*a traceable certificate of calibration is included with each instrument*

For further information please contact

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