

# PORTABLE PROBE THERMOMETERS PC TEMP SERIES



## Features

- A range of professional, compact, lightweight thermometers and probes provide a choice of specifications to suit many different applications
- Ideal for use in the Food manufacturing, HACCP compliance, Pharmaceutical & Laboratory measurements
- Wide range of standard probes available
- Lightweight for effective, reliable measurements
- Hygienically smooth, splashproof surface
- Low power with a backlit display
- Auto switch off to conserve battery life
- Typical battery life more than 350 hours
- **Models PC Temp T1/Probes & PC Temp PT2 supplied, as standard, with a UKAS-traceable calibration certificate**

## A range of compact, lightweight thermometers & probes to suit a range of applications

The Eurolec PC Temp Series of handheld thermometers are ideal for a wide range of applications where a lightweight, accurate temperature measurement instrument is needed.

The PC Temp PT1 and PT2 instruments are supplied with the PT1000 probe with the PT2 having a fixed probe and the PT1 a removable, replaceable probe.

The K2 and T1 versions of the PC Temp Series can be used with a wide range of plug-in probes which are

available as either K-Type or T-Type to suit the K2 and T1 respectively.

These interchangeable probes allow for a wide range of temperature measurements, covering from -150°C with the TP101 to over 800°C with the TP106K (dependent upon probe and instrument type).

Wherever there is a need for a simple-to-use but accurate probe or thermocouple-based thermometer, the PC Temp Series offers a solution.

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## Standard Probe Selection for the PC Temp K2 & T1

The PC Temp K2 and T1 instruments are supplied, as standard, without a probe.

A range of suitable probes are available to support the PC Temp K2 and T1 instruments and these are shown in the table below.

Please note that type 'K' probes should be used with PC Temp K2 thermometer and type 'T' probes with PC Temp T1.

Customised probes available on request.



MODEL	TYPE	RANGE	DESCRIPTION	SIZE
TP101T	T Type Thermocouple	-150°C to +400°C	Mineral Insulated Semi Flexible Probe	1.5mm x 250mm
TP101K	K Type Thermocouple	-150°C to +850°C	Mineral Insulated Semi Flexible Probe	1.5mm x 250mm
TP102T	T Type Thermocouple	-75°C to +250°C	Needle Type Insertion Probe	1.6mm x 100mm
TP102K	K Type Thermocouple	-75°C to +250°C	Needle Type Insertion Probe	1.6mm x 100mm
TP103T	T Type Thermocouple	-75°C to +400°C	General Purpose Insertion Probe	3.3mm x 120mm
TP103K	K Type Thermocouple	-75°C to +600°C	General Purpose Insertion Probe	3.3mm x 120mm
TP104T-S	T Type Thermocouple	-75°C to +400°C	Heavy Duty Insertion Probe	6mm x 250mm
TP104K-S	K Type Thermocouple	-75°C to +700°C	Heavy Duty Insertion Probe	6mm x 250mm
TP105T	T Type Thermocouple	-75°C to +350°C	Probe With Exposed Sensor For Air Temperatures	2.95mm x 100mm
TP105K	K Type Thermocouple	-75°C to +350°C	Probe With Exposed Sensor For Air Temperatures	2.95mm x 100mm
TP106T	T Type Thermocouple	-75°C to +400°C	Surface Probe with spring loaded tip	4.76mm x 120mm
TP106K	K Type Thermocouple	-75°C to +800°C	Surface Probe with spring loaded tip	4.76mm x 120mm
TP107T	T Type Thermocouple	-75°C to +400°C	Surface Probe (Right Angled)	4.76mm x 150mm
TP107K	K Type Thermocouple	-75°C to +800°C	Surface Probe (Right Angled)	4.76mm x 150mm
TP108T	T Type Thermocouple	-75°C to +250°C	Type T Thermocouple Very Fast Response PTFE Insulated Probe	
TP108K	K Type Thermocouple	-75°C to +250°C	Type K Thermocouple Very Fast Response PTFE Insulated Probe	
TP109T	T Type Thermocouple	-60°C to +350°C	Type T Thermocouple Very Fast Response Fibre Glass Insulated Probe	
TP109K	K Type Thermocouple	-60°C to +350°C	Type K Thermocouple Very Fast Response Fibre Glass Insulated Probe	
TP100T	Extension Cable	N/A	Eurolec 1m T Thermocouple extension leads with miniature IEC connectors.	1m
TP100K	Extension Cable	N/A	Eurolec 1m K Thermocouple extension leads with miniature IEC connectors.	1m

## Ordering Information

### Instrument ordering

The PC Temp Series are supplied, as standard, without a probe.

A range of standard measurement probes are available for use with the PC Temp Series as shown on page 2.

Use the product codes in the table below to select the appropriate instrument and the table on page 2 to select the appropriate probe/thermocouple.

For example, to order a PC Temp K2 with the TP103K General Purpose Insertion Probe, use the products codes PC Temp K2 + TP103K

### Measurement Probes

Please note that type 'K' probes should be used with PC Temp K2 thermometer and type 'T' probes with PC Temp T1.

Customised probes available on request.

### Accessories

A range of accessories are available to support and enhance your PC Temp Thermometers including:

- Protective Rubber Boot                      Code THFB
- Carrying Case                                    Code THCC
- Carrying Pouch with belt clip              Code THCCS
- Wall Bracket                                      Code THWB

## Technical Information

### PC TEMP THERMOMETERS

SPECIFICATION	PC Temp K2	PC Temp T1	PC Temp PT1	PC Temp PT2
Instrument Type	Handheld Probe Thermometer	Handheld Probe Thermometer	Handheld Probe Thermometer	Handheld Probe Thermometer
Range	-200°C to +1200°C	-200°C to +400°C	-30°C to +200°C	-30°C to +200°C
Resolution	0.1°C from -199.9°C to +199.9°C 1°C otherwise	0.1°C	0.1°C	0.1°C
Thermometer Accuracy*1	±0.5°C ±0.2% (-50°C to +200°C) ±1°C ±0.2% elsewhere	±0.2°C ±1 digit (-50°C to +200°C) ±1°C ±1 digit elsewhere	Thermometer: ±0.1°C ±0.1% Probe: ±0.15°C ±0.2%	±0.2°C (-30°C to +100°C) ±0.4°C (+100°C to +200°C)
Sensor Type	K Type Thermocouple	T Type Thermocouple	PT1000 (Plug-in probe)	PT1000 (Integral probe)
Power Supply	9V DC PP3/LR61 Battery	9V DC PP3/LR61 Battery	9V DC PP3/LR61 Battery	9V DC PP3/LR61 Battery
Operating Temperature	+5°C to +40°C	+5°C to +40°C	+5°C to +40°C	+5°C to +40°C
Dimensions (without probe)	124mm x 66mm x 23mm	124mm x 66mm x 23mm	124mm x 66mm x 23mm	124mm x 66mm x 23mm

Notes:

The stated accuracy for the PC Temp PT2 is the overall system accuracy.