

# RayTemp™ 8 Infrared Thermometer

with type K thermocouple socket

- temperature range IR -60 to 500 °C, probe -64 to 1370 °C
- includes differential & average temperatures
- two-in-one instrument
- target ratio 12:1

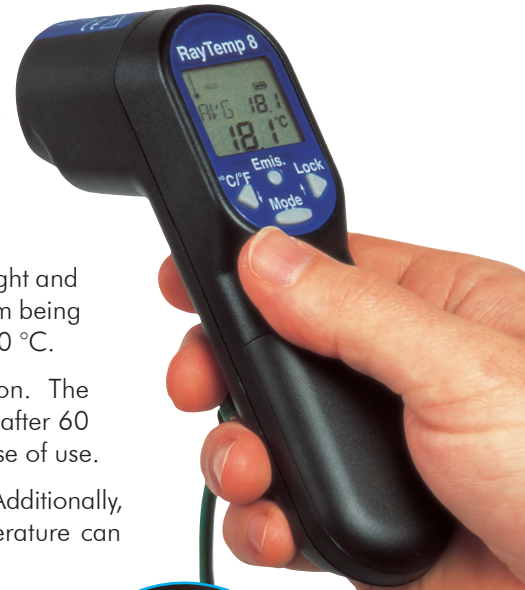
The RayTemp 8 portable gun-shaped infrared thermometer is compact, lightweight and easy to use. Simply aim and pull the trigger to display the temperature of the item being measured. The thermometer displays temperature over the range of -60 to 500 °C.

The instrument has a clear, easy to read, LCD display with low battery indication. The RayTemp 8 incorporates an auto-power off facility that turns the instrument off after 60 seconds, maximising battery life. The unit features a laser dot alignment for ease of use.

The RayTemp 8's four-button keypad, allows the user to select °C/°F and max/min. Additionally, the difference between the max and min temperature and the average temperature can be displayed.

### two instruments in one

The RayTemp 8 infrared thermometer incorporates a miniature thermocouple type K probe socket that enables a wide range of type K thermocouple probes to be used for a variety of temperature measurement applications, including air, liquid and surface temperatures. For details of compatible type K thermocouple probes, see pages 49 to 54.



### RayTemp 8 kit

The RayTemp 8 together with a penetration probe is available as a kit complete with FREE tub of UniWipes and FREE ABS carrying case.

#### each kit contains:

- RayTemp 8 infrared thermometer (814-045)
- penetration probe (123-160)
- tub of 40 UniWipes (836-032)
- ABS carrying case (834-740)



order code	description
814-045	RayTemp 8
860-845	RayTemp 8 kit
830-040	protective nylon pouch
834-740	ABS carrying case
<i>the RayTemp 8 is exclusive of probe</i>	

specification	RayTemp 8
range - infrared	-60 to 500 °C
range - probe	-64 to 1370 °C
resolution	0.1 °C/°F (-9.9 to 199.9 °C) or 1 °C
accuracy - infrared	±2 % of reading or ±2 °C whichever is greater
accuracy - probe	±1 % of reading or ±1 °C whichever is greater
field of view	target ratio 12:1
emissivity	0.95 default - adjustable 0.10 to 1.00
battery	2 x AAA alkaline
battery life	180 hours continuous use
display	custom LCD
dimensions	39 x 72 x 175 mm
weight	180 grams



# TYRE TEMPERATURE MONITORING

for motorsport

## Therma Elite Thermometer/Pyrometer with interchangeable thermocouple probes

- ideal for measuring tyre, brake & track temperatures
- backlight, max/min & hold functions
- compact & robust design

The Therma Elite digital thermometer is a rugged and easy to use instrument that operates through the range of -100 to 1372 °C with a 0.1 °C/°F or 1 °C/°F resolution.

The thermometer features a large, easy to read, LCD display with open circuit 'Err' and low battery indication. Each unit is powered by three 1.5 volt AAA batteries and will power off automatically after ten minutes, maximising battery life. This feature can be disabled by the user, if required.

The Therma Elite also incorporates a mode button for the selection of 0.1/1 °C/°F. The unit also features a calibration trim function ( $\pm 2$  °C) which allows users to compensate for thermocouple probe errors. ETI offer a wide range of interchangeable type K thermocouple probes, a small selection of which is listed below.

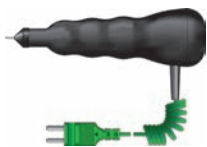
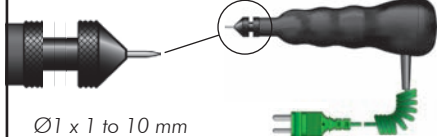



order code	description
221-061	Therma Elite
830-253	protective black silicone boot <i>the Therma Elite is exclusive of probe</i>



specification	Therma Elite
range 0.1 °C	-99.9 to 299.9 °C
range 1 °C	300 to 1372 °C
resolution	0.1 °C to 299.9 °C thereafter 1 °C
accuracy	$\pm 0.4$ °C $\pm 0.1$ % of reading
battery & life	3 x 1.5 volt AAA - 10000 hours
sensor type	K thermocouple
display	12 mm LCD
dimensions	25 x 56 x 128 mm
weight	130 grams
<i>FREE traceable certificate of calibration included</i>	

### Optional Thermocouple Probes

		order code	
<b>tyre probe</b>  Ø1 x 6 mm	This fast response tyre probe has a fixed 6 mm probe length designed for measuring tyre temperatures. Supplied with a one metre coiled lead. Response time less than 0.5 of a second. Probe temperature range -60 to 250 °C.	343-101	
<b>adjustable depth tyre probe</b>  Ø1 x 1 to 10 mm	This fast response tyre probe has an adjustable depth stop (1 to 10 mm) which the user can manually set. This probe has been specifically designed for measuring tyre temperatures and is supplied with a one metre coiled lead. Response time less than 0.5 of a second. Probe temperature range -60 to 250 °C.	343-100	
<b>heavy duty surface probe</b>  Ø12 x 130 mm	This high temperature surface probe is ideal for measuring the temperature of brake discs, exhaust manifolds and track temperatures etc. A right-angled version is available. Response time less than one second. Probe temperature range -60 to 1000 °C.	123-020 123-028 <i>(right-angled)</i>	

For more information on the Therma Elite or further probes available, please contact our sales office

# RayTemp<sup>®</sup> 8 Infrared Thermometer

## with type K thermocouple socket

- non-contact temperature measurement
- compact & lightweight design
- two instruments in one

The RayTemp 8 portable infrared thermometer features a clear, easy to read, LCD display with low battery indication. Ideal for monitoring temperatures of tyres, exhausts, brakes and track surfaces, simply aim and pull the trigger to display the surface temperature instantly.

The unit features a four-button keypad, allowing the user to select °C/°F and max/min. Additionally, the difference between the max and min temperature and the average temperature can be displayed.

The RayTemp 8 also incorporates a miniature thermocouple type K probe socket for alternative probe measurement. ETI offer a wide range of interchangeable probes, a small selection of which is listed overleaf.



order code	description
814-045	RayTemp 8
830-040	protective nylon pouch
<i>the RayTemp 8 is exclusive of probe</i>	

specification	RayTemp 8
range - infrared	-60 to 500 °C (IR) -64 to 1370 °C (probe)
resolution	0.1 °C/°F (-9.9 to 199.9 °C) or 1 °C
accuracy - infrared	±2 % of reading or ±2 °C whichever is greater
accuracy - probe	±1 % of reading or ±1 °C whichever is greater
field of view	target ratio 12:1
emissivity	0.95 default - adjustable 0.10 to 1.00
battery & life	2 x AAA alkaline - 180 hours continuous use
display	custom LCD
dimensions	39 x 72 x 175 mm
weight	180 grams



Z.I. Le Trési 6 D - 1028 Préverenges  
 Tél 021 637 12 37 - Fax 021 637 12 38  
[www.thermolab.ch](http://www.thermolab.ch)  
[info@thermolab.ch](mailto:info@thermolab.ch)