

RayTemp™ 38

infrared thermometer

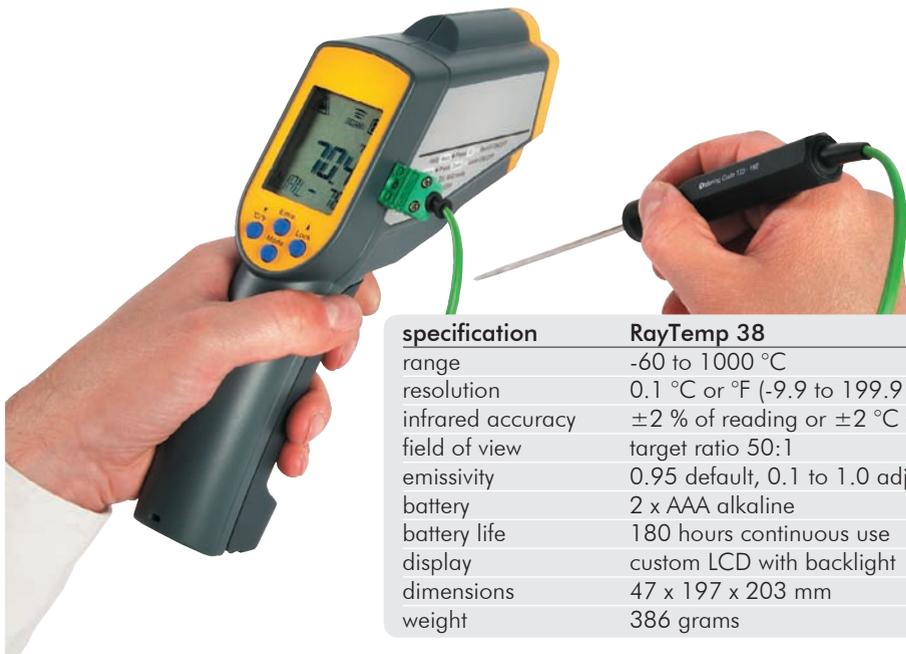
- ✓ ideal for high temperature industrial applications
- ✓ wide temperature range -60 to 1000 °C
- ✓ target ratio 50:1 - ideal for measuring small targets
- ✓ robust housing for durability



The RayTemp 38 is a professional infrared, gun-shaped, non-contact thermometer with dual laser dot alignment. The thermometer incorporates a 50:1 optic ratio (target distance/diameter ratio), this enables users to measure small targets from a distance. The user stands a safe and comfortable distance from the target, points the thermometer at the surface to be measured, pulls the trigger and instantly reads the temperature. Ideal for measuring the temperature of ceiling vents and hot pipes in the HVAC industry or any other item that is difficult to reach. This enables the user to measure most surfaces accurately and quickly.

This infrared thermometer measures the surface temperature over the range of -60 to 1000 °C with a 0.1 °C (-9.9 to 199.9 °C) or 1 °C resolution. The RayTemp 38 incorporates an auto power off facility that turns the instrument off after 60 seconds, maximising battery life. This function can be disabled, if required. Each unit incorporates a clear, easy to read, backlit custom LCD display that indicates both the temperature and the emissivity. The thermometer features a four-button keypad, allowing the user to select the mode required, i.e. max, min, differential and average temperatures, view the max/min high and low alarms and adjust the emissivity from 0.1 to 1.0 in 0.01 increments (default set at 0.95).

The RayTemp 38 is two instruments in one as it incorporates a thermocouple socket that will accept a type K thermocouple probe, see pages 49 to 54 for available probes. Each RayTemp 38 is supplied in a FREE protective ABS carrying case. An optional strong magnetic holder is also available. The holder screws into the bottom of the thermometer's housing, allowing the unit to be mounted onto a metal surface for continuous monitoring.



magnetic holder

| specification | RayTemp 38 |
|-------------------|--|
| range | -60 to 1000 °C |
| resolution | 0.1 °C or °F (-9.9 to 199.9 °C) otherwise 1 °C |
| infrared accuracy | ±2 % of reading or ±2 °C whichever is greater |
| field of view | target ratio 50:1 |
| emissivity | 0.95 default, 0.1 to 1.0 adjustable in 0.01 increments |
| battery | 2 x AAA alkaline |
| battery life | 180 hours continuous use |
| display | custom LCD with backlight |
| dimensions | 47 x 197 x 203 mm |
| weight | 386 grams |

order code description

| | |
|---|-----------------|
| 814-038 | RayTemp 38 |
| 814-150 | magnetic holder |
| <i>the RayTemp 38 is exclusive of probe</i> | |

