



TN2 infrared thermometer

non-contact - plus laser alignment

- ✓ temperature range -33 to +250°C
- ✓ 0.1°C resolution
- ✓ maximum, minimum & lock functions
- ✓ °C or °F - switchable
- ✓ default emissivity of 0.95 - adjustable
- ✓ distance to target 3:1 ratio



order code **model**
814-055 TN2 infrared thermometer

The TN2 is a non-contact infrared thermometer, possibly the smallest infrared thermometer with laser alignment on the market today. The TN2 thermometer measures only 18 x 50 x 100mm and weighs just 62 grams. Simply aim the thermometer at the target and press the read button to display the surface temperature. The TN2 indicates temperature over the range of -33 to +220°C with a resolution of 0.1°C/°F.

The TN2 thermometer incorporates an optical lens that measures temperature by sensing the amount of radiated energy at infrared frequencies. Using this data and the actual temperature of the infrared sensor (thermopile), the TN2 can calculate the temperature of the surface that emitted the energy.

The distance to target ratio is 3:1, therefore the thermometer should be positioned as close to the target as practical, without the need to touch the surface being measured. The TN2 thermometer incorporates maximum, minimum and lock (continuous) functions and is switchable between °C and °F. The unit is supplied with a default emissivity of 0.95, however, the emissivity can be changed from 0.01 to 1.

specification	TN2 infrared thermometer
temperature range	-33 to +220°C
resolution	0.1°C or °F (switchable)
response time	1 second
infrared accuracy	±2% of reading or ±2°C whichever is greater
field of view	3:1 optics ratio
emissivity	0.95 default - adjustable 0.01 to 1 emissivity
battery	3 volt CR2032 lithium coin cell
battery life	40 hours continuous use
display	custom LCD
case dimensions	18 x 50 x 100mm
case material	ABS plastic
weight	62 grams including battery

warranty & guarantee

The above instruments carry a one-year warranty and guarantee against defects in components or workmanship. During this period, products that prove to be defective will, at the discretion of ETI, be either repaired or replaced without charge. This warranty does not apply to probes, where a six-month period is offered. In line with our policy of continuous development, we reserve the right to amend our product specification without prior notice.

CE These instruments comply with the EMC Directives
EN 50081-1 : 1992, EN 50082-1: 1992