



UT309E



|  |                                   |
|--|-----------------------------------|
|  | High temperature<br>LED indicator |
|  | Low temperature<br>LED indicator  |

UT309 series professional infrared thermometers can determine surface temperature through the energy radiated by the target surface. It is designed to meet some of the highest protection ratings in UNI-T's product line, IP65 and 3m drop proof. With a rapid response rate of 250ms, high measurement accuracy, and multiple scanning modes, UT309 proves to be a necessary tool for engineers and technicians working in various fields such as electrical distribution inspection, HVACR maintenance, transportation equipment inspection, instrument repair, and many more.

| Specifications                  | UT309A                 | UT309C           | UT309E           |
|---------------------------------|------------------------|------------------|------------------|
| Certificates                    | CE, UKCA               |                  |                  |
| Temperature range (°C)          | -35°C~450°C            | -35°C~650°C      | -35°C~850°C      |
| Temperature range (°F)          | -31°F~842°F            | -31°F~1202°F     | -31°F~ 1562°F    |
| D:S ratio                       | 10:1                   | 12:1             | 20:1             |
| Emissivity                      | 0.95                   | 0.1~1 adjustable | 0.1~1 adjustable |
| Laser type                      | Single                 | Dual             | Dual             |
| LCD display                     | LCD                    | LCD              | Color EBTN       |
| Data storage with date and time |                        |                  | 99               |
| Scheduled measurement           |                        |                  | √                |
| Monitoring measurement          |                        |                  | √                |
| Accuracy (°C)                   | ±1.8°C or ±1.8%        |                  |                  |
| Accuracy (°F)                   | ±3.6°F or ±1.8%        |                  |                  |
| Resolution                      | 0.1°C                  |                  |                  |
| Response time                   | 250ms (95% of reading) |                  |                  |
| Laser type                      | Class 2                |                  |                  |
| Laser power                     | <1mW                   |                  |                  |
| Laser wavelength                | 630nm~670nm            |                  |                  |
| Spectral response               | 8μm~14μm               |                  |                  |
| IP rating                       | IP65                   |                  |                  |
| Drop proof                      | 3m                     |                  |                  |

| Features                   |                                       |
|----------------------------|---------------------------------------|
| °C/°F selection            | Laser on/off                          |
| High/Low temperature alarm | MAX/MIN/AVG/DIFF mode                 |
| Data hold/LCD backlight    | Auto power off                        |
| Low battery indication     | Lock measurement/Tripod mounting hole |

| Characteristics              |                                                                           |
|------------------------------|---------------------------------------------------------------------------|
| Standard accessories         | Battery, English manual (UT309A/C only: German, French, Spanish optional) |
| Power                        | 9V battery (6F22)                                                         |
| Display                      | UT309A/C: 32 x 29mm; UT309D: 32 x 32mm                                    |
| Product size                 | 189 x 118 x 55mm                                                          |
| Product net weight           | 292g                                                                      |
| Standard individual packing  | Gift box, blister, carrying bag                                           |
| Standard quantity per carton | 10pcs                                                                     |
| Standard carton measurement  | 430 x 335 x 330mm                                                         |
| Standard carton gross weight | UT309A/C: 6.5kg; UT309D: 5.8kg                                            |