



### **UT309E Professional Infrared Thermometer**

UT309 series professional infrared thermometer 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 a various fields such as electrical distribution inspection, HVACR maintenance, transportation equipment inspection, instrument repair, and many more.

Specifications	UT309E
Temperature range	-35°C~850°C
	-31°F~ 1562°F
Accuracy	≥0°C: ±1.8°C or ±1.8%
	<0°C: ±(1.8°C+0.1°C/°C)
	≥32°F: ±3.6°F or ±1.8%
	<32°F: ±(3.6°F+0.1°F/°F)
D:S ratio	20:01
Response time	<250ms
Emissivity	0.95 (default); 0.1~1.0 (adjustable)
Spectral response	8um~14um
Laser power	< 1mW
Features	
Auto power off	√
Low battery indication	√
LCD display	Color EBTN
High/low LED alarm	√
Data hold	√
°C/°F selection	√
MAX/MIN/AVG/DIFF mode	√
Lock measurement	√
Dual lasers	√
Data storage with date and time	99
Scheduled measurement	√
Monitoring measurement	√
Protective function	√
Operating temperature	0°C~50°C (32°F~122°F)
Storage temperature	-20°C~60°C (-4°F~140°F)

Operating humidity	<90%RH (non-condensing)
Drop test	3m
IP rating	IP65
General Characteristics	
Power	9V battery
Display	32mm x 32mm
Product color	Red and grey
Product net weight	292g
Product size	189mm x 118mm x 55mm
Standard accessories	Battery, carrying bag
Standard individual packing	Gift box, blister, English manual
Standard quantity per carton	10pcs
Standard carton measurement	475mm x 335mm x 325mm
Standard carton gross weight	5.8kg