UT309 Series
Professional Infrared Thermometers



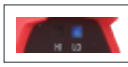
UT309E

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.





High temperature LED indicator



Low temperature LED indicator

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