

# UT309 Series

## Professional Infrared Thermometers



UT309 series professional infrared thermometer can determine surface temperature through measuring infrared energy radiated by the target surface. It is designed to meet one of the highest protection ratings in UNI-T's product line, with 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, HVAC maintenance, transportation equipment inspection and instrument repair etc.

### Features

- 3m drop proof, IP65
- Large LED display with backlight
- MAX/MIN/AVG/DIF modes
- High/Low temperature alarm with LED indication
- Dual laser measurement to enhance accuracy (UT309C only)
- Locking measurement: no need to keep pressing trigger for continuous testing
- Adjustable emissivity: adjust according to different testing materials (UT309C only)
- Data hold, auto power off function



	UT309A	UT309C
Temperature testing range	-35°C ~ 450°C (-31°F ~ 842°F)	-35°C ~ 650°C (-31°F ~ 1202°F)
Optical resolution	10 : 1 (Calculated with 90% energy)	12 : 1 (Calculated with 90% energy)
D:S ratio	0.95	0.1 ~ 1.0 adjustable
Response time	250ms (95% of data reading)	
Spectral response	8um ~ 14um	
Laser count	Single laser	Dual laser
Laser wavelength	630nm ~ 670nm	
Operating temperature	0°C ~ 50°C (32°F ~ 104°F)	
Storage temperature	-20°C ~ 60°C (-4°F ~ 140°F)	
Operating humidity	< RH90% (non-condensing)	

### Ordering Information

**UT309A:** Single Laser, 10:1 Distance Ratio  
**UT309C:** Dual Laser, 12:1 Distance Ratio, Adjustable Emissivity

