

UT305A+/C+ Infrared Thermometer

The UT305+ series is a high-precision, high-distance ratio (55:1), wide temperature range (-50°C~ 2200°C) non-contact infrared thermometer. It can detect the thermal insulation performance of various types of equipment, and is suitable for furnace kilns, heat transfer pipes, building thermal bridge effect, cold storage, greenhouses, floor heating and other fields.



UT305C+

- °C/°F selection
- Buzzer alarm
- Real time and date
- Infrared professional mode
- Surface heat conduction detection mode
- Surface dew point detection mode
- Surface temperature comparison mode
- Trigger lock function, Reservation measurement
- 999 groups of data storage, data output support PDF, CSV format
- High precision display of ambient temperature, relative humidity, dew point temperature and wet bulb temperature
- Type K thermocouple temperature measurement

Specifications	UT305A+	UT305C+
Measurement range	Infrared temperature measurement	-50°C~1850°C (-58.0°F~3362°F)
	The environment temperature measurement	-10°C~50°C
	Relative humidity	10%RH~90%RH
Accuracy	Type K thermocouple	-50°C~1370°C
	Infrared temperature measurement	-50°C~0°C $\pm(1.0^\circ\text{C}+0.1^\circ\text{C}/^\circ\text{C})$ 0°C~2200°C $\pm 1.0^\circ\text{C}$ or $\pm 0.01 \times t^\circ\text{C}$ (Which is greater)
	The environment temperature measurement	0°C~40°C ($\pm 0.5^\circ\text{C}$) -10°C~0°C/40°C~50°C ($\pm 1.0^\circ\text{C}$)
Distance ratio (D:S)	Relative humidity	$\pm 5\%$ RH
	Type K thermocouple	$\pm(0.5\% \times t + 1.5)^\circ\text{C}$
	55:1	
Emissivity	0.1~1.0 (adjustable)	
Spectral response	8μm~14μm	
Repeatability of infrared temperature	0.1°C	
Display resolution	$\pm 0.5\% \times t^\circ\text{C}$ or 1°C (Which is greater)	
Laser type	0.1°C	
USB communication	Single laser, output <1mW, class II	
LCD type	√	
Temperature coefficient	2.4 inch TFT LCD 320x240 pixels	
Drop test	$\pm 0.1^\circ\text{C}/^\circ\text{C}$ or $\pm 0.1\%^\circ\text{C}/^\circ\text{C}$ (Which is greater)	
Standard k-type thermocouple probe (bead type)	1m	
Measurement range	1m (40 in) long K type thermocouple cable with standard micro thermocouple connector and bead probe	
Accuracy	-40°C to 260°C (-40°F to 500°F)	
Lenth	0.075×T (t is measured temperature)	

