UNI-T®

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)	-50°C~2200°C (-58.0°F~3992°F)
	The environment temperature measurement	-10°C~50°C	
	Relative humidity	10%RH~90%RH	
	Type K thermocouple	-50°C~1370°C	
Accuracy	Infrared temperature measurement	-50°C~0°C ±(1.0°C+0.1°C/°C) 0°C~2200°C ±1.0°C or ±0.01×t°C (Which is greater)	
	The environment temperature measurement	0°C~40°C (±0.5°C) -10°C~0°C/40°C~50°C (±1.0°C)	
	Relative humidity	±5%RH	
	Type K thermocouple	±(0.5%×t+1.5)°C	
Distance ratio (D:S)	55:1		
Emissivity	0.1~1.0 (adjustable)		
Spectral response	8μm~14μm		
Repeatability of infrared temperature	±0.5%×t°C or 1°C (Which is greater)		
Display resolution	0.1°C		
Laser type	Single laser, output <1mW, class II		
USB communication	√		
LCD type	2.4 inch TFT LCD 320x240 pixels		
Temperature coefficient	±0.1°C/°C or ±0.1%°C/°C (Which is greater)		
Drop test	1m		
Standard k-type thermocouple probe (bead type)			
Measurement range	-40°C to 260°C (-40°F to 500°F)		
Accuracy	0.075×T (t is measured temperature)		
Lenth	1 m (40 in) long K type thermocouple cable with standard micro thermocouple connector and bead probe		





