

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 | |
| Accuracy | Type K thermocouple | -50°C~1370°C | |
| | 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 | |
| Distance ratio (D:S) | Type K thermocouple | ±(0.5%×t+1.5)°C | |
| | | 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 (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 | |

