

Uni-T UT301D+ Infrared Thermometer



Model: UT301D+

Manufacturer: UNI-T

EAN: 6935750573013

Product Code: 1089570

R2,055

Uni-T UT301D+ Infrared Thermometer

The Uni-T UT301D+ infrared thermometer is a practical tool for non-contact temperature measurement across a wide range from -32°C to 600°C , making it ideal for maintenance, diagnostics, and system monitoring. The device offers high repeatability (0.7%) and a fast response time of less than 250 ms, allowing for efficient detection of deviations. It is worth noting the varying measurement accuracy—for temperatures above 0°C , it is $\pm 1.5^{\circ}\text{C}$ or $\pm 1.5\%$, while for sub-zero temperatures, it increases according to the formula $\pm(1.5^{\circ}\text{C} + 0.1^{\circ}\text{C}/^{\circ}\text{C})$, which translates to a larger margin of error at very low temperatures. Adjustable emissivity (0.1–1.0) with the ability to save 5 settings and a dual laser make it easier to obtain more reliable results on various surfaces.

Accurate measurement and quick analysis

The UT301D+ allows for quick and convenient temperature checks without contact with the object. The short response time means the result appears almost instantly, which is useful when working

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with electrical installations or HVAC systems. Thanks to the MAX/MIN/AVG/DIFF modes, the user can more easily analyze temperature changes and detect anomalies, while the HOLD function allows the result to be frozen on the screen for further analysis. The device is equipped with a clear EBTN color display and adjustable visual and audible alarms that notify the user when set temperature thresholds are exceeded. The ability to store up to 99 measurements and the cyclic measurement function facilitate the monitoring of processes over time. Additional features, such as a backlight, low-battery indicator, and the option to mount on a tripod, enhance user comfort in various working conditions.

Included in the set

- Uni-T UT301D+ Thermometer
- 9V battery
- Carrying case
- User manual
- Manufacturer’s packaging

Manufacturer	Uni-T
Model	UT301D+
Temperature range	-32°C to 600°C
Accuracy	>0°C: ±1.5°C or ±1.5%; ≤0°C: ±(1.5°C + 0.1°C/°C)
Repeatability	0.7°C or 0.7%
Response time	≤250 ms
D:S ratio	12:1
Emissivity	0.1–1.0 (adjustable, 5 presets)
Spectral response	8–14 μm
Laser	Dual Laser
Measurement memory	up to 99 results
Modes	MAX/MIN/AVG/DIFF
Alarms	visual and audible (adjustable)

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Display color EBTN

Power supply 9V battery

Operating temperature 0°C to 50°C

Storage temperature -20°C to 60°C

Operating humidity 90% RH (non-condensing)

Drop resistance 1 m

Dimensions 160 × 74 × 48 mm

Weight 204 g

GPSR Link: https://psr-assets.innpro.pl/tools/sg_tools_measuring_tools.pdf, Gross weight: 330, Net weight: 204, Box length: 21,50, Box width: 10,00, Box height: 7,00

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