Technical Specifications

Model	UT320T		
Language	EN, FR, DE, IT, ES, SV, PL, CZ		
LCD size	18 x 28mm		
LCD type	FSTN		
Infrared measurement	Measuring range	-40°C~300°C (-40°F~572°F)	
	Temperature	Range	Accuracy
		-40°C≤t≤0°C:	±(1.5+0.1×|t|)°C
		0°C<t≤300°C:	±2.0°C or ±0.02×t°C whichever is greater
		-40°F≤t≤32°F:	±(4.0+0.1×|t-32|)°F
		32°F<t≤572°F:	±4.0°F or ±0.02×t°F whichever is greater
	Temperature coefficient	±0.1°C/°C or ±0.1%/°C whichever is greater	
	Distance to spot ratio (D: S)	8:1	
	Emissivity	Adjustable (0.1~1.0)	
	Spectral range	5μm~14μm	
	Response time	≤500ms (95% of reading)	
	Repeatability	1.0°C or 1.0% whichever is greater (2.0°F or 1.0% whichever is greater)	
	Laser	Class 2, single laser, power<1mW, wavelength 650±20nm	
	Operating time	About 30h (laser and backlight on)	
Probe measurement	Measuring range	-40°C~300°C (-40°F~572°F)	
	Accuracy	Range	Accuracy
		-40°C≤t<0°C:	±2.0°C
		0°C<t≤300°C:	±1.0°C or ±0.01×t°C whichever is greater
		-40°F≤t≤32°F:	±4.0°F
		32°F<t≤572°F:	±2.0°F or ±0.01×t°F whichever is greater
	Probe type	NTC	
	Minimum measuring depth	12.7mm	
	Operating time	About 180h (backlight on)	
Operating temperature	0°C~50°C (32°F~122°F)		
Storage temperature	-20°C~60°C (-4°F~140°F)		
Operating humidity	<90%Rh (non-condensing)		
Highest operating altitude	2000m		
IP rating	IP54		
Drop test	2m		
Auto power off time	10min		
Data hold	√		
Lock measurement	√		
Unit conversion (°C/°F)	√		
Max/Min/Difference	√		
Characteristic			
Product size	155 x 42 x 22.5mm		
Product weight	About 110g (with batteries)		
Battery type	2 x 1.5V AAA		

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UNI-T

UT320T
2 in 1 Thermometer

UT320T is a thermometer that combines infrared sensor and collapsible probe.Infrared measurement is used to quickly scan the surface temperature of an object and probe measurement can accurately measure the internal temperature.

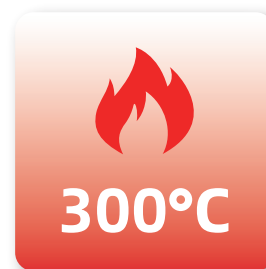| High accuracy	Adjustable emissivity	Collapsible probe	ΔT T1-T2 / T1-T2	2m drop proof	IP54

Collapsible probe

High accurate infrared sensor

Wide measuring range:-40°C~300°C

-40°C

300°C

Backlit LCD display

26.5℃

Drop proof

After 2 meters drop, it still works normally.

Distance to spot ratio (D: S)=8:1

Light spot diameter (S)

Ø0.5" (13mm) Ø1" (25mm) Ø2" (51mm) Ø4" (102mm)

4" (102mm)

8" (203mm)

16" (406mm)

32" (813mm)

Distance of measured target (D)
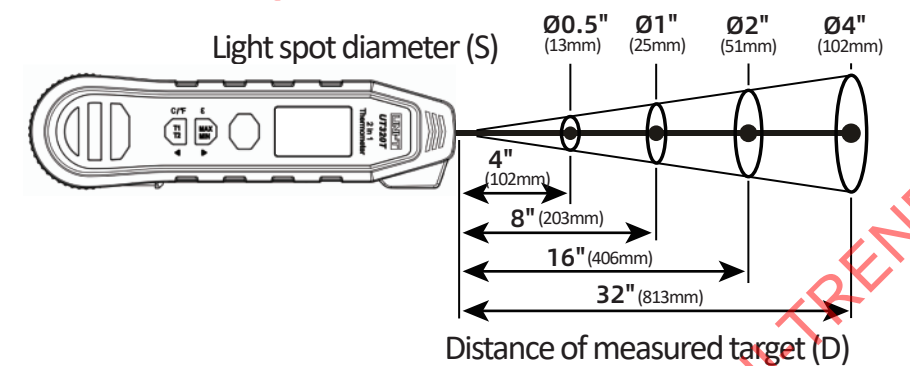
Adjustable emissivity (0.1~1.0)

T1-T2

Quickly calculates temperature difference (T1-T2) for both IR and probe temperatures.

Compact structure, easy to carry and use

Using Scenarios

Automobile maintenance

Construction measurement

Air-conditioner maintenance

Liquid measurement