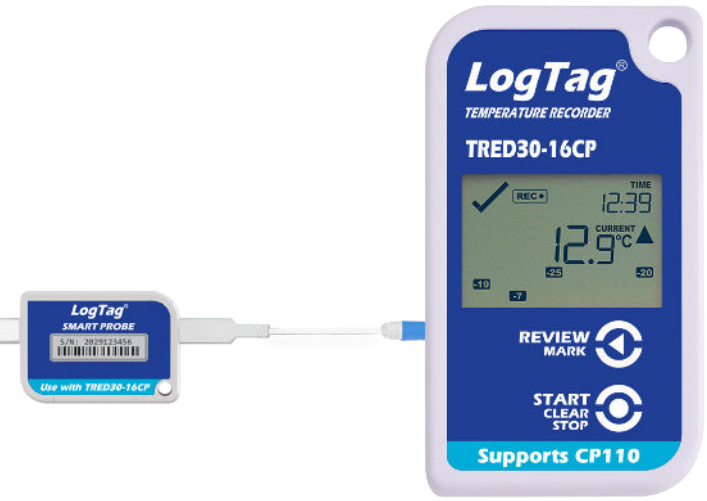
TEMPERATURE MONITORING AT A GLANCE



LogTag® TRED30-16CP

Smart Probe Capable

The LogTag® TRED30-16CP is the Smart Probe ready iteration of the LogTag® TRED30-16R.



When paired with the compatible LogTag® CP110K Smart Probe, you remove the need to relocate or return the LogTag® TRED30-16CP temperature recorder for calibration, ensuring continuous and uninterrupted logging.

The LogTag® TRED30-16CP temperature recorder measures and stores up to 15,900 temperature readings over a -40 °C to +99 °C (-40 °F to +210 °F) measurement range from either a Smart Probe or Traditional Probe.

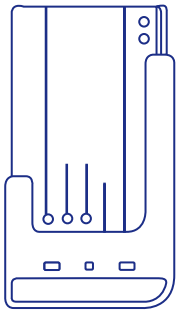
Accessories



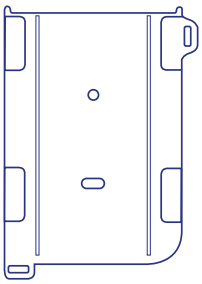
LTI-HID
Not Included (**Required**)
Order Code: LTI-HID



Glycol Buffer
Not Included
Order Code: Glycol Buffer-70ml



LTI-WM-WiFi
Not Included
Order Code: LTI-WM-WiFi



Wall Mount
Not Included
Order Code: WMB-01



Smart Probe
Not Included (**Recommended**)

Compatible Smart Probes:

Order Code	Exposed Tip Length	Tip Diameter	Cable Length
CP110K-15	65mm	ø3.2mm	1.5m (4'11")
CP110K-30	65mm	ø3.2mm	3m (9'10")

OR



External Probe
Not Included

Popular Compatible Probes:

Order Code	Exposed Tip Length	Tip Diameter	Cable Length
ST100K-15	65mm	ø3.2mm	1.5m (4'11")
ST100K-30	65mm	ø3.2mm	3m (9'10")
ST100S-15	22.5mm	ø5mm	1.5m (4'11")
ST100S-30	22.5mm	ø5mm	3m (9'10")

For more probe options, scan the QR code to download the External Probe Brochure

https://lt.help/16ubp

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Features



The LogTag® TRED30-16CP is compatible with the LogTag® CP110K Smart Probe



Temperature recording range of -40 °C to +99 °C



Stores up to 15,900 temperature recordings, enough memory to log for 66 days at 6min logging intervals



Inspections can be recorded at the push of a button



Comprehensive customization options including alarm settings, sample interval and trip duration



Built-in audible alarm



Auto-pause function - unplugging the external probe automatically suspends alarm and statistics processing



Interchangeable External Probe with high quality gold plated connector



User replaceable coin cell battery



Rapid configuration and download

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Applications



Healthcare



Pharmaceuticals



Transportation



Cold Room



Produce



Blood and Organ Transport



Indoor Space



HVAC

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Specifications

Product Model	TRED30-16CP (Replaceable Battery)
External Temperature Sensor Measurement Range	-40 °C to +99 °C (-40 °F to +210 °F)
Operating Temperature Range	-30 °C to +60 °C (-22 °F to +140 °F)
Storage Temperature Range	-10 °C to +40 °C (+14 °F to +104 °F)
Rated Temperature Reading Accuracy	Better than ±0.5 °C (±0.9 °F) for -20 °C to +40 °C (-4 °F to +104 °F), typically ±0.3 °C (0.6 °F) Better than ±0.8 °C (±1.4 °F) for -40 °C to -20 °C (-40 °F to -4 °F), typically ±0.5 °C (0.9 °F) Better than ±0.8 °C (±1.4 °F) for +40 °C to +70 °C (+104 °F to +158 °F), typically ±0.7 °C (1.3 °F) Better than ±1.2 °C (±2.2 °F) for +70 °C to +99 °C (+158 °F to +210 °F), typically ±1 °C (1.8 °F) Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration
Rated Temperature Reading Resolution	0.1 °C (0.2 °F) for measurements -40 °C to +50 °C (-40 °F to +122 °F) 0.2 °C (0.4 °F) for measurements +50 °C to +70 °C (+122 °F to +158 °F) 0.3 °C (0.5 °F) for measurements +70 °C to +80 °C (+158 °F to +176 °F) 0.4 °C to 0.6 °C (0.7 °F to 1 °F) for measurements +80 °C to +99 °C (+176 °F to +210 °F) LogTag Analyzer® currently displays to one decimal place of °C or °F. The native resolution is what is stored in the logger
Recording Capacity	15,905 temperature readings 66 days @ 6 minute logging Day summary statistics memory (for display on LCD): up for 30 days of Max/Min/duration and alarm trigger statistics
Sampling Interval	Configurable from 30 seconds to hourly
Logging Start Options	Push button start or specific date and time. Optional start delay of up to 18 hours
Recording Indication	State indicator “REC”
Download Time	Typically less than 10 seconds for full memory (15,905 readings), depending on computer or readout device used
Environmental	IP61 (when vertically mounted or hung)
Power Source	3V CR2032 ($LiMnO_2$) coin cell battery, user replaceable
Battery Life	1 year storage, followed by 1 year of operation with normal use (6 minute logging, statistics reviewed on the display no more than once daily for no longer than 30 seconds each time, download data monthly) NOTE: Continual activation of the audible alarm will reduce the working life of the battery. When an alarm is triggered, the alarm should be cleared and reset as soon as possible
Real Time Clock	Built-in real time clock Rated accuracy ±25ppm @ 25 °C (equivalent to 2.5 seconds/day) Rated temperature coefficient is -0.034 ±0.006ppm/°C (i.e. typically +/- 0.00294 seconds/day/°C)
Standard External Probe Cable Lengths	Standard: 1.5m (4’11”) Extended: 3m (9’10”) (recommended maximum)
External Sensor Probe Type	PTFE (FDA food contact rated), coaxial
Size	93mm(H) x 54.5mm(W) x 8.6mm(T)
Weight	43g without external probe
Case Material	Polycarbonate

designed for 21CFRPart11

RoHS COMPLIANT

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