

# TEMPERATURE MONITORING AT A GLANCE

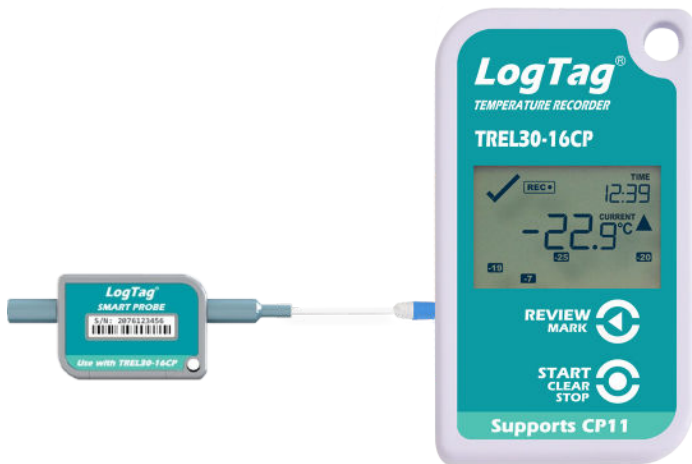


**LogTag**® TREL30-16CP  
Smart Probe Capable

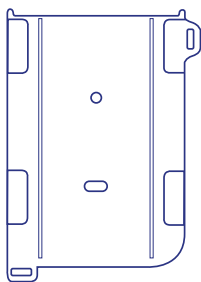
The LogTag® TREL30-16CP is the Smart Probe ready iteration of the LogTag® TREL30-16R.

When paired with the compatible LogTag® CP11S Smart Probe, you remove the need to relocate or return the LogTag® TREL30-16CP temperature recorder for calibration, ensuring continuous and uninterrupted logging.

The LogTag® TREL30-16CP temperature recorder measures and stores up to 15,900 temperature readings in temperature environments ranging from -90 °C to +40 °C (-130 °F to +104 °F). Measurement range from either a Smart Probe or Traditional Probe.



# Accessories



**Wall Mount**

Not Included - Optional  
Order Code: WMB-01



**Glycol Buffer**

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



**Smart Probe**

Not Included (Recommended)

### Compatible Smart Probes:

Order Code	Exposed Tip Length	Tip Diameter	Cable Length
CP11S-15	22.5mm	ø5mm	1.5m (4'11")
CP11S-30	22.5mm	ø5mm	3m (9'10")

OR

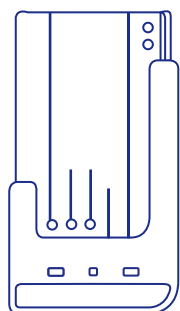


**External Probe**

Not Included

### Popular Compatible Probes:

Order Code	Exposed Tip Length	Tip Diameter	Cable Length
ST10S-15	22.5mm	ø5mm	1.5m (4'11")
ST10S-30	22.5mm	ø5mm	3m (9'10")
ST10M-15	60mm	ø5mm	1.5m (4'11")



**LTI-WM-WiFi**

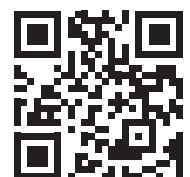
Not Included  
Order Code: LTI-WM-WiFi



**LTI-HID**

Not Included - Required  
Order Code: LTI-HID

For more compatible probes, scan the QR code to download the External Probe Brochure



<https://lt.help/16ubp>

# Features

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The LogTag® TREL30-16CP is fully compatible with the LogTag® CP11S Smart Probe



Temperature recording range of -90 °C to +40 °C



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

# Applications



Healthcare



Pharmaceuticals



Transportation



Cold Room



Produce



Blood and Organ Transport



Indoor Space



HVAC

# Specifications

<b>Product Model</b>	TREL30-16CP (Replaceable Battery)
<b>External Temperature Sensor Measurement Range</b>	-90 °C to +40 °C (-130 °F to +104 °F)
<b>Operating Temperature Range</b>	-30 °C to +60 °C (-22 °F to +140 °F)
<b>Storage Temperature Range</b>	-10 °C to +40 °C (+14 °F to +104 °F)
<b>Rated Temperature Reading Accuracy</b>	Better than $\pm 0.5$ °C for -20 °C to +10 °C (-4 °F to +50 °F) Better than $\pm 0.7$ °C for -50 °C to -20 °C (-58 °F to -4 °F) Better than $\pm 0.7$ °C for +10 °C to +30 °C (+50 °F to +86 °F) Better than $\pm 1.0$ °C for -80 °C to -50 °C (-112 °F to -58 °F) Better than $\pm 1.0$ °C for +30 °C to +40 °C (+86 °F to +104 °F) Better than $\pm 1.8$ °C for -90 °C to -80 °C (-130 °F to -112 °F) Actual performance is typically much better than the rated values. Accuracy figures can be improved by recalibration When used with the CP11 Smart Probe refer to CP11 data sheet for accuracy reading
<b>Rated Temperature Reading Resolution</b>	0.1 °C (0.2 °F) for measurements -80 °C to 0 °C (-112 °F to +32 °F) 0.2 °C (0.4 °F) for measurements 0 °C to +18 °C (+32 °F to +64.4 °F) 0.2 °C (0.4 °F) for measurements -90 °C to -80 °C (-130 °F to -112 °F) 0.3 °C (0.5 °F) for measurements +18 °C to +30 °C (+64.4 °F to +86 °F) 0.5 °C (0.9 °F) for measurements +30 °C to +40 °C (+86 °F to +104 °F) LogTag Analyzer® currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®
<b>Recording Capacity</b>	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
<b>Sampling Interval</b>	Configurable from 30 seconds to hourly
<b>Logging Start Options</b>	Push button start or specific date and time. Optional start delay of up to 18 hours
<b>Recording Indication</b>	State indicator "REC"
<b>Download Time</b>	Typically less than 10 seconds for full memory (15,905 readings), depending on computer or readout device used
<b>Environmental</b>	IP61 (when vertically mounted or hung)
<b>Power Source</b>	3V CR2032 (LiMnO <sub>2</sub> ) coin cell battery, user replaceable
<b>Battery Life</b>	Storage life of 1 year before 'start' (if it is hibernation mode), 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
<b>Real Time Clock</b>	Built-in real time clock Rated accuracy $\pm 25$ ppm @ 25 °C (equivalent to 2.5 seconds/day) Rated temperature coefficient is $-0.034 \pm 0.006$ ppm/°C (i.e. typically +/- 0.00294 seconds/day/°C).
<b>Standard External Probe Cable Lengths</b>	Standard: 1.5m (4'11"). Extended: 3m (9'10") (recommended maximum).
<b>Remote External Probe Type</b>	PTFE (FDA food contact rated) coaxial
<b>Size</b>	93mm(H) x 54.5mm(W) x 8.6mm(T)
<b>Weight</b>	43g without External Probe
<b>Case Material</b>	Polycarbonate

