DATASHEET

ST100J-30

LogTag

Distributed by AKRIBIS

CALIBRATABLE REPLACEABLE SMART PROBE

LogTag®

Smart Probe

CP100K/CP110K

AKRIBIS · www.akribis.info · contact@akribis.info

The ultimate solution for uninterrupted temperature monitoring, the LogTag® CP100K and CP110K Smart Probes are precise and reliable probes that can be swapped out and calibrated separately from your logger.

When recalibration is needed, the plug-and-play hot-swappable design allows users to replace the probe easily. Simply disconnect the Smart Probe from your compatible logger, and plug in your new one. Calibration complete.

The expired probe can be sent to a calibration lab for re-calibration.

Features

Plug-and-play hot-swappable calibratable probe without the need to remove the loggers from current location

Easy to download calibration certificate through LogTag® Analyzer

Battery life of 3-years

High quality gold plated MCX connector

Compatibility Chart

Logger Model	1.5m Smart Probe	3m Smart Probe
UTRED30-16 Dual-Channel	CP100K-15	CP100K-30
UTRED30-WiFi Dual-Channel	CP100K-15	CP100K-30
TRED30-16U	CP100K-15	CP100K-30
TRED30-16CP	CP110K-15	CP110K-30

Applications

Laboratories

Pharmaceutical and Vaccine

Warehouse

Cold Room

Server Room

Clinics

Specifications

Product Model	CP100K/CP110K
Temperature Measurement Range	-40 °C to +99 °C (-40 °F to +210 °F)
Temperature Operating Range, Probe End	-40 °C to +99 °C (-40 °F to +210 °F)
Temperature Operating Range, Signal Conditioning End	-20 °C to +70 °C (-4 °F to +158 °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)
Temperature 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)
Acquisition Interval	Determined by logger, shortest acquisition interval 30 seconds
Sensor Reaction Time	Based on tip, same as for current probes
Environmental	Probe tip: IP68 Probe tip/cable junction: IP64 Signal conditioning: IP44
Power Source	CR2032 3V LiMnO2 Battery (distributor replaceable)
Connection Interface	Single wire digital interface to compatible loggers
Battery Life	1 year storage, followed by 3 years of normal use (based on 5 minute logging)
Weight	34g
Signal Conditioning Case Material	Polycarbonate
Tip Material	Stainless Steel 316
Probe Tip Length	65mm exposed tip
Probe Tip Diameter	3.2mm
Smart Probe Dimensions	32.5mm (H) x 46.3mm (W) x 12.5mm (D)
Cable Material	PTFE

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