



DS-A-140906 Rev. B

# TEMPSEN



monitoring for  
**Life Science**

## Alpha TH30

Temperature Humidity USB PDF Data Logger



### Auto PDF Report with Embedded Data

Automatically generating encrypted PDF format report, no software required to obtain data, embedded raw data allows analyzing report via TempCentre and Cold Chain Cloud.



### Extra Long Battery Life

Up to 900 days battery life offers long-term continuous recording possibilities.



### Repeat Start

Repeat start function enables quick start on site without re-configuration.



### Online configuration without software

In support of online configuration without needing to download and install any specific software.



### Loop Recording

Allows new data to override old data points when memory is full, enables long term monitoring for static applications.



### Mark Function

Click Mark button to write in time stamp for events requiring special attention during shipment, up to 9 marks available.



### EN12830 Compliant

Complies to EN12830:1999 for transport, storage and distribution of chilled, frozen, deep frozen, quick-frozen food and others.



### TempCentre 2 Support

Work with TempCentre 2 desktop software to easily and accurately view, analyze, archive and share data recorded from transport and storage, and achieve 21 CFR 11 compliance.

Type	Multi-use
Sensor	Internal temperature and humidity Sensor
Memory Capacity	14400 readings
Measurement Range	-30°C...70°C (-22°F...158°F) 0% RH...100% RH
Accuracy	± 0.5 °C / 0.9°F(0°C...60°C / 32°F...140°F) ± 1°C / 1.8°F(rest range) ± 3% RH (20% RH...80% RH) ± 4% RH (rest range) *RH Accuracy stated at temperature condition of 20±2°C/68±3.6°F
Resolution	0.1°C / °F 0.1% RH
Start Mode	Manual / Auto start
Logging Interval	1 minute...2 hours
Logging Mode	Start & Stop / Loop
Alarm Range	High and low alarm
Battery	3.6V lithium battery
Run Time	900 days
Display	Multi-function LCD •OK(✓), Alarm(x), Running status •Temperature and RH statistics (max, min, avg) •Limit violation event indication •Duration time of each alarm zone •Mark history •Remaining battery days
Button	Start / Stop / Mark / View
Connection	USB 2.0 Connector
Data Specification	•Temperature / Humidity •Date / Time •Mark
Automatic Data File	Encrypted PDF report with embedded raw data
Software	TempCentre 2 (21 CFR 11 Compliant)
Calibration	CNAS accredited laboratory calibration
Certifications	CE, EN12830, DO160G, RoHS
Dimensions	107mm L x 48mm W x 12mm H
Weight	Approx. 65g
Packaging/Material	Case/Polycarbonate
Protection Class	IP54