TEMPSEN
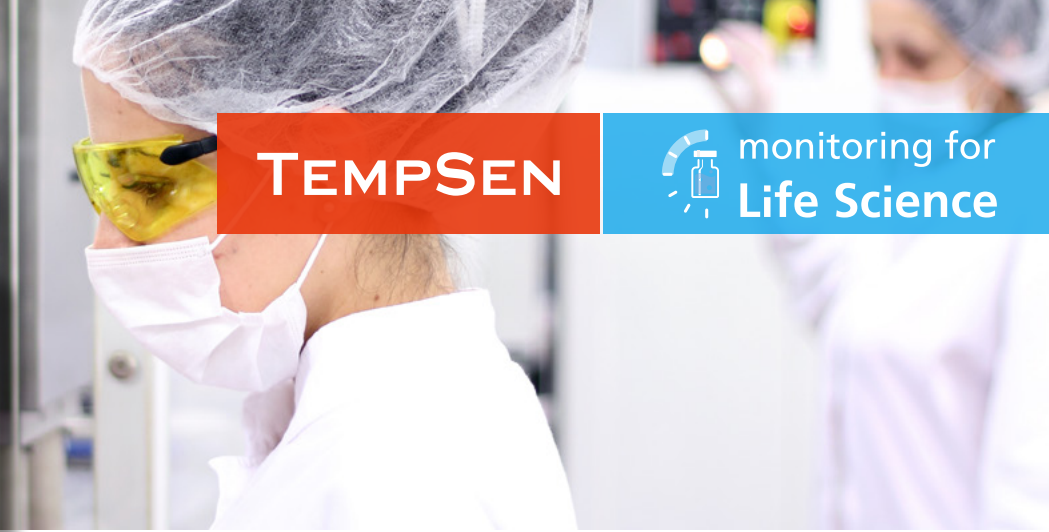
monitoring for
Life Science

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 2.0 Support

Work with TempCentre 2.0 desktop software to easily and accurately view, analyze, archive and share data recorded from transport and storage, and achieve 21 CFR 11 compliance.

log in cold chain

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
Logging Interval	1 minute...2 hours
Logging Mode	Start&Stop/Loop
Alarm Range	High and low alarm
Alarm Type	Single Event/Cumulative Alarm
Battery	3.6V lithium battery
Typical Run Time	900 days
Shelf Life	1 year
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
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 2.0 (21 CFR 11 Compliance)
Calibration	CNAS accredited laboratory calibration
Certifications	CE, EN12830, RTCA-DO160G (FAA Compliance)
Dimensions	107mm L x 48mm W x 12mm H
Weight	Approx. 65g
Packaging/Material	Case/Polycarbonate
Protection Class	IP54

TempSen Electronics Company, a leading provider of data loggers & data acquisition systems headquartered in Shanghai, China, is committed to continuously offering a broad range of temperature monitoring devices and solutions for food and pharmaceutical industries, helping users employ stringent and effective monitoring measures for temperature sensitive goods in transit and storage. TempSen reserves the right to change any specifications and information about products without prior notice. TempSen, ITAG, Tempod are registered trademarks of TempSen Electronics Company. All other trademarks mentioned herein are property of their respective companies.