

# TEMPSEN

## ITAG<sup>®</sup>4 Bio

Single Use USB PDF Temperature Recording Indicator



ITAG<sup>®</sup>4 series data loggers are developed to monitor and capture temperature or humidity excursions in pharmaceutical, biological and clinical trial supply chains. With TempSen's advanced measurement technology, user could easily have a reliable monitoring results accurately reflecting the supply chain environmental conditions.

Easy-to-read LCD indication presents key information for immediate decision making, the compact and lightweight design also enables it fits into any limited spaces. Furthermore, automatically generated PDF report allows quick access to shipment data anywhere anytime, and enables efficient supply chain handling, embedded raw data could be extracted and studied through TempSen cloud based service.

As a complete software-free cold chain monitoring tool, ITAG4 requires no software for programming, online configuration portal realized the configuration of logger anytime anywhere, higher supply chain disposition efficiency but lower IT investment costs.

It's an ideal electronic recorder that you need to precisely track the environmental conditions that may compromise quality.



### Auto PDF Report with Embedded Data

Automatically generated encrypted PDF format report, no software required to access data file. PDF report includes recording summaries, statistics, alarm information, graph and tabular data. Embedded raw data allows further data processing via TempSen Cloud and 3rd party system.



### Built-in USB Connector

Enables quick connection with PC anytime anywhere, no cable and reader required to download data.



### Software-Free Online Configuration

Allows rapid online configuration without installing specific programming software, multiple platforms compatible.



### Powerful and Intuitive LCD Indication

LCD presents all key information about recording, including alarm and running status, monitoring history, alarm violation indication and duration statistics.



### Multiple Alarm Ranges

Up to 6 alarm ranges offer detailed and precise temperature excursion statistics.



### Safe for Air Transport

Complies with IATA PI970 II and DO160G, fully qualified for air transport.

## In-Transit Temperature Monitoring

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## TECHNICAL DATA

**ITAG<sup>®</sup>4 Bio**

Single Use USB PDF Temperature Recording Indicator

Type	Single Use
Sensor	Internal NTC
Memory Capacity	14400 readings
Measurement Range	-30°C...70°C
Accuracy	±0.3°C (-20°C...20°C) ±0.5°C (other range)
Resolution	0.1°C / °F
Start Mode	Manual / Auto start
Logging Interval	1 minute...2 hours
Alarm Range	6 alarm ranges
Battery / Life	3.0V CR2032 lithium battery / 90 days
Shelf Life	2 years
Display	LCD •OK(✓), Alarm(x), Running status •Violation duration of each alarm zone •Temperature statistics (max, min, avg)
Button	Start / Stop / View
Connection	USB 2.0 Connector
Automatic Data File	Encrypted PDF report with embedded raw data
Software	TempSen Express (21 CFR 11 compliant)
Calibration	Factory Sampling 6-point Calibration (AQL 0.25)
Certifications	CE, WHO PQS Code E006/045, EN12830, RTCA-DO160G, IATA PI970 II, WEEE, RoHS, Manufacturer's Validation Certificate
Dimensions	93mm L x 45mm W x 7mm H
Weight	Approx. 24g
Packaging/Material	Case / Polycarbonate
Protection Class	IP65



- ▶ Upload PDF reports or sync data to Cloud via TempSen Go App
- ▶ Manage configuration profiles & configure devices online
- ▶ Manage, analyze and share cold chain shipment data online
- ▶ Supports multiple users & permission system



**TEMPSEN**

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 data monitoring devices and solutions for customers from life science to food industry, helping users employ stringent and effective monitoring measures for temperature sensitive goods in transit and storage. TempSen is an ISO9001:2015 company. 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.



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