



Secure your **high value** shipment

Vaccine

Store Frozen

ITAG 4



Auto PDF Report

Automatically generates encrypted PDF format report which includes detailed summaries, statistics, alarm information, chart and optional tabular data, meanwhile the embedded raw data allows for further data processing via TempSen Cloud or any third-party system.



LCD

The easy-to-read LCD provides all key information about recording, including alarm and running status, monitoring history, alarm violation indication, and duration statistics.



Extractable and verifiable raw data embedded

Raw data embedded in PDF file could be extracted and verified by any 3rd party system for central management.



21 CFR 11 Compliance

Designed for FDA 21 CFR Part 11 compliance.
(use with TempSen Express)



Software-Free Configuration

Rapid programming data logger using configuration file, no need to install dedicated software or driver to configure data loggers in Windows or Mac OS.



Qualified for Air Freight

Complies with IATA PI970 II and RTCA/DO-160G Environmental Conditions and Test Procedures for Airborne Equipment, qualified for air shipment in active status.



monitoring for
Life Science

TempSen Electronics

Leading provider of cold chain data loggers

Technical Data

| Product | ITAG4 | ITAG4 Bio | ITAG4 TH | ITAG4 SP |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Part No. | G4 | G4M | G4H | G4S |
| Sensor | Internal NTC | | Digital humidity + temperature sensor | Internal NTC |
| Specifications | | | | |
| Memory Capacity | 14400 readings | | 7200 TH readings | 10080 readings |
| Measurement Range | -30°C...70°C | | -30°C...70°C 0% RH...100% RH | -30°C...70°C |
| Accuracy | ±0.3°C (-20°C...20°C) ±0.5°C (other range) | | ±0.5°C (0°C...60°C) ±1.0°C (other range) ±5% RH | ±0.5°C |
| Resolution | 0.1°C /°F | | 0.1°C /°F, 0.1% RH | 0.1°C /°F |
| Start Mode | Manual / Auto start | | | |
| Logging Interval | 1 minute...2 hours | | | |
| Battery / Life | 3.0V CR2032 lithium battery / 90 days max | | | |
| Shelf Life | 2 years (1 year if power activated) | | | |
| Display (LCD) | <ul style="list-style-type: none"> •OK(✓), Alarm(x), Running status •Violation duration of each alarm zone •Statistics (max, min, avg) | | | <ul style="list-style-type: none"> •OK(✓), Alarm(x) •Running status |
| Button | Start / Stop / View | | | Start / Stop |
| Connection | USB 2.0 connector (Type A compatible) | | | |
| Automatic Data File | Encrypted PDF report with embedded raw data | | | |
| Software | TempSen Express (21 CFR 11 compliant) | | | |
| Calibration | Factory sampling calibration (AQL 0.25) | | | |
| Certifications | CE, WHO PQS, EN12830, RTCA-DO160G, IATA PI970 II, WEEE, RoHS, Manufacturer's Validation Certificate | | CE, RTCA-DO160G, IATA PI970 II, WEEE, RoHS, Manufacturer's Validation Certificate | |
| Dimensions | 93mm L x 45mm W x 8mm H | | | |
| Weight | Approx. 24g | | | |
| Packaging/Material | Case / Polycarbonate | | | |
| Protection Class | IP65 | | IP54 | IP65 |
| Features | | | | |
| In-report upload | ● | ● | ● | |
| Profile ID | ● | ● | ● | |
| Custom data fields | ● | ● | ● | |
| Alarm Ranges | H1, L1 | H3, H2, H1, L1, L2, L3 | H1, L1 | H1, L1 |