TempSen

AMBIENT
REFRIGERATED
FROZEN
DRY ICE
LIQUID NITROGEN

# COLD CHAIN DATA LOGGERS

## CATALOGUE 2021

# TEMPOD®

## USB PDF DATA LOGGERS

### TEMPOD 30
USB PDF Temperature Data Logger
P/N PD30

### TEMPOD 50X
USB PDF Temperature Data Logger with External NTC Probe
P/N PD50X

### TEMPOD 100X
USB PDF Temperature Data Logger with External RTD Probe
P/N PD100X

### TEMPOD 200X
USB PDF Temperature Data Logger with External RTD Probe
P/N PD200X

| TECHNICAL DATA | Tempod 30 | Tempod 50X | Tempod 100X | Tempod 200X |
|---|---|---|---|---|
| Type | Multi-Use | Multi-Use | Multi-Use | Multi-Use |
| Sensor | Internal NTC | External NTC Probe (1m) | External RTD Probe (1m) | External RTD Probe (1m) |
| Measurement Range | -30°C...70°C | -50°C...70°C | -100°C...70°C | -200°C...70°C |
| Accuracy | ±0.3°C (-20°C…20°C)<br>±0.5°C (other range) | ±0.3°C (-20°C…20°C)<br>±0.5°C (other range) | ±0.5°C | ±0.5°C (-100°C…100°C)<br>±1.0°C (-200°C…-100°C) |
| Memory | 28800 readings | 28800 readings | 28800 readings | 28800 readings |
| Battery | 3.0V lithium battery (Replaceable) | 3.0V lithium battery (Replaceable) | 3.0V lithium battery (Replaceable) | 3.0V lithium battery (Replaceable) |
| Battery Life | 18 months | 18 months | 18 months | 18 months |

| FEATURES | Tempod 30 | Tempod 50X | Tempod 100X | Tempod 200X |
|---|---|---|---|---|
| Encrypted PDF report embedded with raw data | • | • | • | • |
| Multiple alarm ranges (5 ranges) | • | • | • | • |
| Software-free configuration | • | • | • | • |
| USB 2.0 plug | • | • | • | • |
| Password protection | • | • | • | • |
| Compatible with TempCentre | • | • | • | • |
| NIST traceable 3-point calibration | • | • | • | • |
| DO-160G compliant | • | • | • | • |
| IATA PI970 II compliant | • | • | • | • |

# TEMPOD® Bluetooth®

## BLUETOOTH + USB PDF DATA LOGGERS

### TEMPOD 20XB
Bluetooth USB PDF
Temperature Data Logger
P/N PD20B

### TEMPOD 50XB
Bluetooth USB PDF
Temperature Data Logger
P/N PD50XB

### TEMPOD 100XB
Bluetooth USB PDF
Temperature Data Logger
P/N PD100XB

### TEMPOD 200XB
Bluetooth USB PDF
Temperature Data Logger
P/N PD200XB

| TECHNICAL DATA | Tempod 20B | Tempod 50XB | Tempod 100XB | Tempod 200XB |
|---|---|---|---|---|
| Type | Multi-Use | Multi-Use | Multi-Use | Multi-Use |
| Sensor | Internal NTC | External NTC Probe (1m) | External RTD Probe (1m) | External RTD Probe (1m) |
| Measurement Range | -20°C...70°C | -50°C...70°C | -100°C...70°C | -200°C...70°C |
| Accuracy | ±0.3°C (-20°C...20°C)<br>±0.5°C (other range) | ±0.3°C (-20°C...20°C)<br>±0.5°C (other range) | ±0.5°C | ±0.5°C (-100°C...100°C)<br>±1.0°C (-200°C...-100°C) |
| Memory | 28800 readings | 28800 readings | 28800 readings | 28800 readings |
| Battery | 3.0V lithium battery (Replaceable) | 3.0V lithium battery (Replaceable) | 3.0V lithium battery (Replaceable) | 3.0V lithium battery (Replaceable) |
| Battery Life | 12 months | 12 months | 12 months | 12 months |

| FEATURES | Tempod 20B | Tempod 50XB | Tempod 100XB | Tempod 200XB |
|---|---|---|---|---|
| Bluetooth 4.0 | • | • | • | • |
| Encrypted PDF report embedded with raw data | • | • | • | • |
| Multiple alarm ranges (5 ranges) | • | • | • | • |
| Software-free configuration | • | • | • | • |
| USB 2.0 plug | • | • | • | • |
| Password protection | • | • | • | • |
| Compatible with TempCentre | • | • | • | • |
| NIST traceable 3-point calibration | • | • | • | • |
| DO-160G compliant | • | • | • | • |
| IATA PI970 II compliant | • | • | • | • |

# **TEMPSEN DRY ICE** DATA LOGGER

## PROBE-LESS DRY ICE SHIPMENT MONITORING

### Tempod 90S

Single Use Dry Ice Probeless
USB PDF Data Logger
P/N PD90S

**TECHNICAL DATA**

| | |
|---|---|
| Type | Single Use |
| Sensor | Internal RTD Sensor |
| Measurement Range | -90°C...70°C |
| Accuracy | ±0.7°C (-90°C…-30°C)<br>±0.5°C (-30°C…30°C)<br>±0.7°C (30°C…-70°C) |
| Memory | 28800 readings |
| Battery Life | 30 days @-80°C |

| **FEATURES** | Tempod 90S |
|---|---|
| Encrypted PDF report embedded with raw data | • |
| Software-free online configuration | • |
| Multiple alarm ranges (5 ranges) | • |
| USB 2.0 plug | • |
| Compatible with TempCentre | • |
| NIST traceable 3-point calibration | • |
| IATA PI970 II compliant | • |

# ITAG®4

## SINGLE USE DATA LOGGERS
## LIFE SCIENCE / CLINICAL TRIAL

| | ITAG®4 | ITAG®4 Bio | ITAG®4 TH | ITAG®4 SP |
|---|---|---|---|---|
| | Single Use Temperature USB PDF Recording Indicator | Single Use Temperature USB PDF Recording Indicator | Single Use Temperature Humidity USB PDF Recording Indicator | Single Use Temperature USB PDF Recording Indicator |
| **TECHNICAL DATA** | P/N G4 | P/N G4M | P/N G4H | P/N G4S |
| Type | Single Use | Single Use | Single Use | Single Use |
| Sensor | Internal NTC Sensor | Internal NTC Sensor | Internal temperature and humidity Sensor | Internal NTC Sensor |
| Measurement Range | -30°C...70°C | -30°C...70°C | -30°C...70°C, 0% RH...100% RH | -30°C...70°C |
| Accuracy | ±0.3°C (-20°C...20°C)<br>±0.5°C (other range) | ±0.3°C (-20°C...20°C)<br>±0.5°C (other range) | ± 0.5°C (0°C...60°C), ± 1°C (rest range)<br>±4% RH (20% RH...80% RH) | ± 0.5°C |
| Memory | 14400 readings | 14400 readings | 7200 readings | 10080 readings |
| Battery Life | 90 days | 90 days | 60 days | 120 days |

| **FEATURES** | ITAG4 | ITAG4 Bio | ITAG4 TH | ITAG4 SP |
|---|---|---|---|---|
| Powerful LCD indication | • | • | • | • |
| Simple LCD indication | | | | • |
| Multiple alarm ranges | | • | | |
| Encrypted PDF report embedded with raw data | • | • | • | • |
| Software-free online configuration | • | • | • | • |
| USB 2.0 plug | • | • | • | • |
| Compatible with TempCentre | • | • | • | • |
| WHO PQS Pre-qualified | • | • | | |
| EN12830 compliant | • | • | • | |
| DO-160G compliant | • | • | • | • |
| IATA PI970 II compliant | • | • | • | • |



TEMPSEN

# ITAG3

## COST-EFFECTIVE SINGLE USE DATA LOGGERS

## PERISHABLE GOODS TRANSPORT

### ITAG®3 Pro

Pre-programmed Single Use USB PDF Temperature Data Logger

P/N G3P

| TECHNICAL DATA | ITAG3 Pro |
|---|---|
| Type | Single use |
| Sensor | Internal NTC |
| Measurement Range | -30°C...70°C |
| Accuracy | ±0.5°C |
| Memory | 7200 readings |
| Battery Life | 90 days max |
| Shelf Life | 12 months |

| FEATURES | ITAG3 Pro |
|---|---|
| Factory pre-programmed | • |
| User programmable | |
| Encrypted PDF report | • |
| USB 2.0 plug | • |
| 2-year shelf life | |
| Compatible with TempCentre | • |
| EN12830 compliant | • |
| DO-160G compliant | • |
| IATA PI970 II compliant | • |

# COLD CHAIN DATA LOGGERS

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 reliable monitoring measures for environment sensitive goods in transit and storage. TempSen is an ISO 9001:2008 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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