

# TEMPSEN



AMBIENT  
REFRIGERATED  
FROZEN  
DRY ICE  
LIQUID NITROGEN  
HUMIDITY

## COLD CHAIN DATA LOGGERS CATALOGUE 2021

### 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) ±0.5°C (other range)	±0.3°C (-20°C...20°C) ±0.5°C (other range)	±0.5°C	±0.5°C (-100°C...100°C) ±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 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) ±0.5°C (other range)	±0.3°C (-20°C...20°C) ±0.5°C (other range)	±0.5°C	±0.5°C (-100°C...100°C) ±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	•	•	•	•

# TEMPSSEN 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) ±0.5°C (-30°C...30°C) ±0.7°C (30°C...70°C)
Memory	28800 readings
Battery Life	30 days @-80°C



#### FEATURES

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<sup>®</sup> 4

## SINGLE USE DATA LOGGERS LIFE SCIENCE / CLINICAL TRIAL



	ITAG <sup>®</sup> 4	ITAG <sup>®</sup> 4 Bio	ITAG <sup>®</sup> 4 TH	ITAG <sup>®</sup> 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
<b>TECHNICAL DATA</b>	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) ±0.5°C (other range)	±0.3°C (-20°C...20°C) ±0.5°C (other range)	±0.5°C (0°C...60°C), ±1°C (rest range) ±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	•	•	•	•



# COST-EFFECTIVE SINGLE USE DATA LOGGERS PERISHABLE GOODS TRANSPORT



## ITAG<sup>®</sup>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	•

# TEMPERATURE / HUMIDITY MEASUREMENT

## 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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