

TEMPSEN EUROPE B.V.



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	•	•	•	•

TEMPOSEN 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

	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) ±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	•	•	•	•

ITAG³

COST-EFFECTIVE SINGLE USE DATA LOGGERS PERISHABLE GOODS TRANSPORT



ITAG³ 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	•



Trip No.: HB21151545

Trip Description:

Device Information

Time Base
 UTC +01:00
 MM/dd/yyyy
 HH/mm/ss

Device: ITAG4

Logging Interval/Cycle: 1m/5d

Current Status: Stopped

Serial No.: FL19T40074

Start Mode: Manual Start

Firmware: X8.7

Start Delay: 0s

Logging Summary

Temperature

Start Time: 02/21/2018 16:17:06

Max: 25.8°C@02/21/2018 16:17:06

Stop Time: 02/26/2018 16:16:06

Min: 9.1°C@02/22/2018 03:39:06

Data Points: 7200

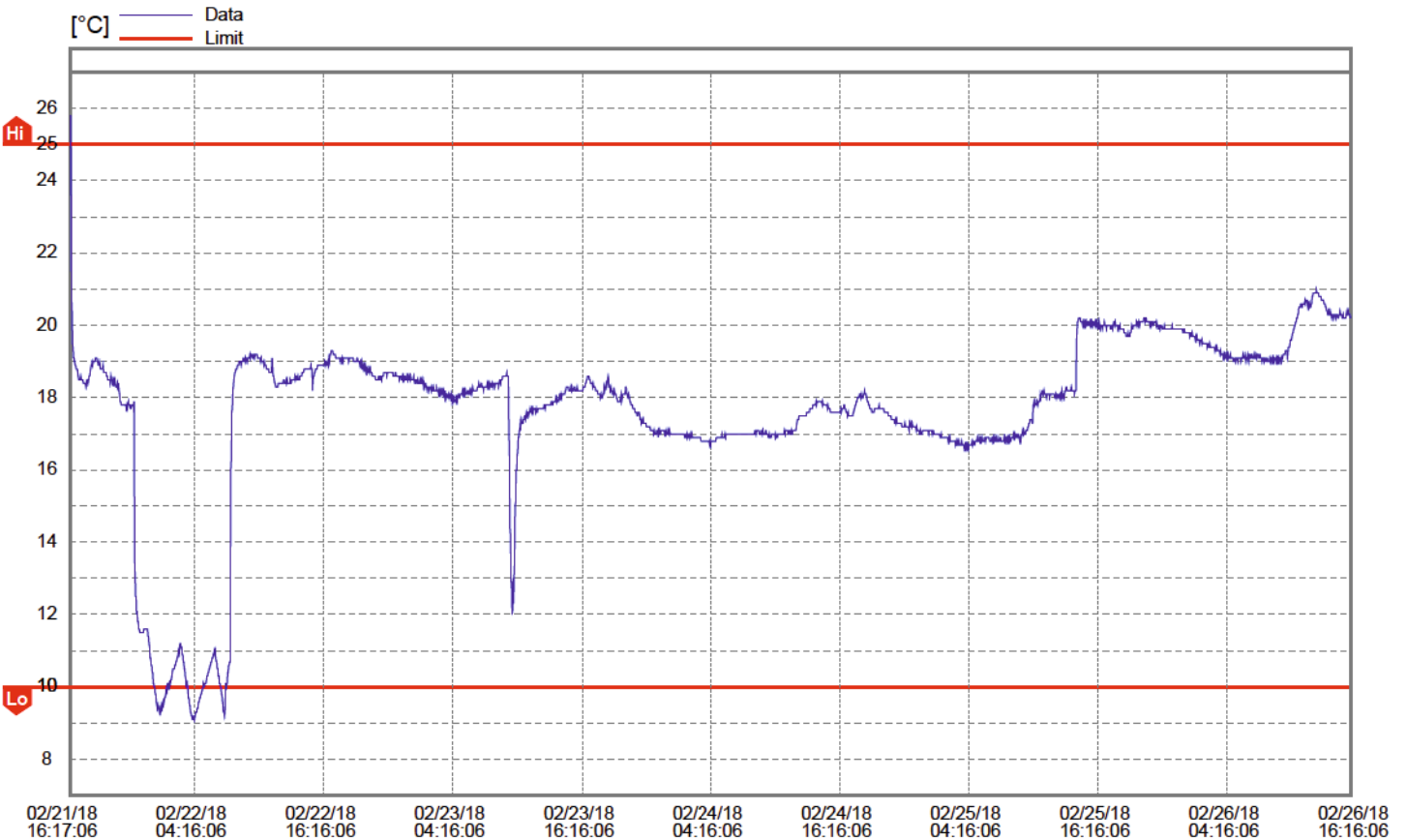
Avg: 17.6°C

Trip Length: 4d23h59m

MKT: 17.9°C

Alarms[High & Low Alarm]

Alarm Zones	Alarm Delay	Total Time	Events	First Triggered@	Status
High: >= 25.0°C	0s(sin.)	1m	1	02/21/2018 16:17:06	Alarm
Low: <= 10.0°C	0s(sin.)	3h23m	12	02/22/2018 00:04:06	Alarm



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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