

TEMPSSEN

AMBIENT
REFRIGERATED
FROZEN
DRY ICE
LIQUID NITROGEN
HUMIDITY



COLD CHAIN DATA LOGGERS

TEMPOD 30

USB PDF Temperature
Data Logger
P/N PD30

TEMPOD 50X

USB PDF Temperature
Data Logger
P/N PD50X

TEMPOD 100X

USB PDF Temperature
Data Logger
P/N PD100X

TEMPOD 200X

USB PDF Temperature
Data Logger
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 ALPHA DRY ICE DATA LOGGERS

PROBE-LESS DRY ICE SHIPMENT MONITORING



ALPHA TD80

Dry Ice Probeless USB
PDF Data Logger
P/N A80



ALPHA TD80S

Single Use Dry Ice
Probeless USB PDF Data
Logger
P/N A80S



TECHNICAL DATA

Type	Multi-Use
Sensor	Internal RTD Sensor
Measurement Range	-80°C...70°C
Accuracy	±0.5°C
Memory	14400 readings
Battery Life	120 days (60 days @-80°C)

TECHNICAL DATA

Type	Single Use
Sensor	Internal RTD Sensor
Measurement Range	-80°C...70°C
Accuracy	±0.5°C (-30°C...30°C) ±1°C (rest range)
Memory	14400 readings
Battery Life	30 days (15 days @-80°C)

FEATURES

	Alpha TD80	Alpha TD80S
Encrypted PDF report embedded with raw data	•	•
Software-free online configuration	•	•
Repeat start without need of re-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

Single Use Temperature USB
PDF Recording Indicator

ITAG[®]4 Bio

Single Use Temperature USB
PDF Recording Indicator

ITAG[®]4 TH

Single Use Temperature
Humidity USB PDF Recording
Indicator

ITAG[®]4 SP

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	•	•	•	•



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

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

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.

TEMPSEN

TempSen Electronics Company
T: +86 21 6768 5210
F: +86 21 6768 5232
E: info@tempsen.com
w: www.tempsen.com

2F Building C2, Espace
6000 Shenzhuan Rd.
Shanghai 201619
China



Distributor