MULTI-FUNCTION DATA LOGGERS

MINI TX



DESIGNED TO MEET
THE **THERMAL MONITORING** NEEDS
OF **INDUSTRIAL** AND **LAB**ORATORY
APPLICATIONS.
THEY ENSURE
ACCURACY AND **S**TABILITY
EVEN UNDER
E**X**TREME OPERATING CONDITIONS

mini T - mini T1 D - mini TB - mini TH

Temperature | **Temperature + humidity**

XS mini loggers are programmable with zLogg Manager software, and automatically generate a report in PDF format.

They have a multi-function display: (date/time, sampling interval, start and stop recording mode, minimum, maximum, average value and average kinetic temperature).

All at the click of a button. The logger works like a normal USB stick and automatically generates report files.

No software is required to download data.
Equipped with 4 programmable alarm thresholds.

When connected to a PC'S USB port, XS mini loggers automatically generate a PDF report in graphical format.
Each model is built with high quality materials to ensure precision and reliability.

STANDARD FEATURES

- Resolution: 0.01 °C
- Memory capacity: 44.500 records
- Recording interval: from 5 seconds to 24 hours
- Automatic file storage: ZLG, TXT, CSV, PDF in multiple languages
- Software: zLoggManager for Windows, Mac OS X, and Linux
- Display and interface: LCD screen and direct USB connection
- Security: password protection and IP65 protection rating
- Certifications: CE, RoHS
- Warranty: 2 years
- Rear magnet for mounting



mini T

Applications:
monitoring of industrial processes, storage and transport of temperature-sensitive products.



mini TH

temperature + humidity

Applications:
ideal for simultaneous monitoring of temperature and humidity, such as in the food and pharmaceutical industries.



mini T1 D

Sensor: external DIGITAL STS40 with mmcx connector, 1 m cable.

Applications:
thermal monitoring in controlled storage and transport environments



mini TB

External RTD sensor (PT100) with mmcx connector, 1 m cable

Applications:
processes requiring monitoring at extreme temperatures, such as cryogenics.

mini High Temperature

Multi-function Temperature Recorder for high temperature pasteurisation

The mini High Temperature is a multi-function temperature recorder designed to meet the high standards of the food industry.
Equipped with two high-precision probes, it simultaneously monitors product and ambient temperatures, ensuring complete control of thermal conditions.

Operation:
The mini High Temperature offers several start options: manual via zLoggManager, automatic start at a specific date and time or when a preset temperature is reached, with or without delay.
Shutdown options include automatic shutdown after a defined period,
at a specific date and time or manually via zLoggManager.
Equipped with 4 programmable alarm thresholds, either total or consecutive.
The device automatically generates reports inPDF, CSV and TXT formats, accessible without additional software and downloadable via USB interface.

Applications:
The mini High Temperature is ideal for precise temperature monitoring in applications requiring high accuracy and reliability, such as food and pharmaceutical industries, including high temperature pasteurisation, ensuring optimal conditions are maintained during production, storage and transport.



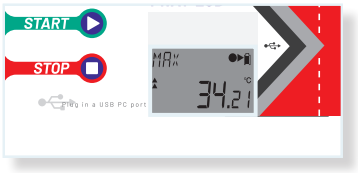
Technical Specifications	*mini* **T**	*mini* **T1 D**	*mini* **TB**	*mini* **TH**	*mini* **High Temperature**
Temperature mesuring range	-40 °C ... +80 °C	-40 °C ... +130 °C	-200 °C ... +200 °C	-40 °C ... +80 °C 0 ... +100% UR	-40°C ... +130°C
Certifiable range	-40 °C ... +80 °C	-40 °C ... +130 °C	-196 °C ... +150 °C	10 ... +90% UR from 15 °C to +30 °C	0°C ... +130°C
Accuracy	up to ±0,2 °C	up to ±0,2°C	up to ±0,3°C	up to ±0,2 up to ±3% RH (between 20% and 80%)	±0,2°C
Resolution	0,01 °C			0,01°C / 0,01% UR	0,01°C
Memory	44.500 measurements				45.500 measurements
Sampling frequency	from 5 sec. to 24 hours				from 5 seconds to 24 hours
LCD Display	Multifunction reflective LCD display				No
Event marking	yes with Start button (2 sec)				
Temperature sensors	Internal STS40 Sensirion	external STS40 dxL = 4x80 mm, cable L = 1m	external PT100 dxL = 3x25 mm, cable L = 1m	Internal SHT40 Sensirion	Internal SHT40 Sensirion
Response time	T90 to 7 min. in air				20 seconds (T90) in oil bath
Security	Password protection (via software)				
Power supply	3V Lithium Battery (Button Type)				Battery: BR2450A, 3V lithium battery
IP Protection	IP65	IP65	IP65	IP30	IP67
Housing material	Polycarbonate				SUS 304 stainless steel.
Average battery life	1 - 2 years (depending on use)				up to 1 year
Buttons	Start and Stop				
Start options	Manual start with or without delay - AutoStart with time and date - AutoStart at a given temperature with or without delay				
Stop options	AutoStop after a set time - AutoStop with date and time - Manual stop				
Warranty	2 years				2 years
Dimensions / Weight	103 x 35 x 11 mm / 56 g	103 x 35 x 11 mm / 70 g (sensor included)	103 x 35 x 11 mm / 70 g	103 x 35 x 11 mm / 56 g	91,7 x 12,7 x 51 mm / 250 g
Certificates	CE, RoHS				CE, RoHS.
PN	**70100503**	**70100543**	**70100533**	**70100523**	**70100813**

mini 1 way / mini 1 way LCD

Temperature

Compact single use data logger, with programmable alarm thresholds upon request.

Direct connection to PC.
Automatic creation of a PDF file and CSV file.
The sealed housing ensures the data logger is watertight.
Simple to use, with just two buttons you can manage all logger functions.
Flat and slim, with USB connector for PC connection.



mini 1 way LCD
p/n: 70101043



mini 1 way
p/n: 70101003



miniTH 1 way
p/n: 70101073

miniT 1 way
p/n: 70101083

Technical Specifications	**mini 1 way**	**mini 1 way LCD**
Temperature Measuring range	-40 °C ... +80 °C	
Accuracy	±0,5°C (-40 ÷ -10) °C ±0,3°C (-10 ÷ +80) °C	
Resolution	0,01 °C	
Memory	44.500 readings	20000 readings
Sampling frequency	from 5 sec. to 24 hours	
Alarms	4, total and/or consecutive	
Response time	T90 at 7 min. in air	
Display	5 LEDs in Red, Green, Blue	Reflective multifunction LCD display, 30x17 mm
Buttons	Start and Stop	
Security	Password protection (on request)	
Power supply	Non-replaceable 3V lithium battery	
Battery life	1 year	
IP Protection	IP67	
PC connection	USB for data download	
Start Options	Manual start with or without delay AutoStart with time and date AutoStart at a given temperature with or without delay	
Stop Options	AutoStop after a set time AutoStop with date and time Manual stop	
Certificates	CE, RoHS	
Dimensions / Weight	90 x 51 x 4,5 mm (10g)	106 x 47x 7 mm (17g)
Shelf life	12 months	
p/n	**70101003**	**70101043**

Innolog Pro

Single-use Temperature Recorder

The Innolog Pro is a disposable temperature recorder designed to ensure the traceability of the cold chain during the transport of food and pharmaceutical products.
You can connect the Innolog Pro to a smartphone to view data without the use of a computer, ensuring the collection of crucial information on the environmental conditions.

Operation:
The Innolog Pro is easy to use thanks to a single button to start and stop recordings. The two LED indicators provide information on the device status and active alarms.
The 'Data Rescue Memory' function ensures automatic recording of the temperature every hour, even if the device has not been started, with cyclic recording.

Applications
The Innolog Pro is ideal for advanced cold chain monitoring in the export of food and pharmaceutical products, ensuring the quality and safety of products during transport.



Technical Specifications	
Temperature Measuring range	-30°C a +70°C
Accuracy	±0.5°C between -20°C and +40°C; ±1°C for other temperatures.
Resolution	0,1°C.
Memory	16.000 measurements.
Sampling frequency	10 minutes
Recording duration	110 days (max 180 days)
Shelf Life	18 months.
Status Indicators	LEDs for power and alarms
Report Generation	PDF and CSV
Power supply	Battery: compliant with UN 38.3
IP Protection	IP67
Interface	USB 2.0 for PC connection
Dimensions / Weight	75 x 42 x 8 mm /20 g
Certificates	EN 12830, CE, D0160G
p/n	**70102043**

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