

LM-XS PRO E006 Series Datalogger

30-day electronic temperature recorders

It is very critical to know and ensure that vaccines are stored at the recommended temperature throughout its lifecycle. **WHO PQS E006** clearly defines the requirements for monitoring of vaccine temperatures. **LM-XS Pro E006 Data logger from G-Tek** is an external sensor data logger meeting the requirements of **WHO PQS E006/TR06.3**. It displays "✓" if the temperature has remained within the recommended limits. It displays "X" if there are any heat or freeze temperature violations, for a period beyond recommended limits. It gives an audio-visual alarm for any violations of temperature. It stores the data up to 120 days and user can see the history data up to last 30 days without downloading or connecting the device to the computer. All the parameters and alarm limits are pre-configured as per the requirement of the guidelines. Intuitive menus and large display make it easy to use. It comes with individual NABL traceable calibration certificate. With its long battery life and economically priced, makes it indispensable in Vaccine Vial Monitoring (VVM).

Features:

- 120 days of data storage
- History data view of last 30 days
- Large intuitive display
- Audio visual Alarm
- Tags for Alarm, Sensor Open and Time Settings
- Long battery life of more than 3.5 years
- Battery life indicator on display

Specifications:

General :

Remote Sensor	Thermistor - 10K NTC; 3mm diameter, 2.5 meter-long Cable in a sealed cap.
Sensor Measurement Range	-40 °C to + 80 °C (-40 °F to +176 °F): Remote Sensor (Fixed installation)
Accuracy	± 0.5 °C for the range -30 °C to + 30 °C ± 0.7 °C otherwise
Resolution	0.1 °C display and storage
Unit of Measurement	Data in °C. User has an option to view the data in °F
Calibration	Each device accompanies NABL (ISO/IEC 17025) traceable certificate
Alarm	Audio-Visual.
Alarm Low Settings*	<= -0.5 °C for more than 60 minutes
Alarm High Settings*	>= 8.0 °C for more than 10 hours
Response Time	T90 < 10 minutes as per EN12830:1999
Logging Interval*	Measurement interval 1 minute and Data store interval 5 minutes, Pre-Fixed.
Delayed Start Option	Yes. 10 mins after start of the device

*Programmable or other settings available on request.

Power Requirement :

Battery	Non-Replaceable 3.0 V 950mAh; CR2477 Panasonic (or Equivalent) Coin Cell Battery;
Battery Life	More than years 3 years useful life and up to 0.5 years storage life. The battery indicator on the display provides information on the remaining lifetime.

WHO/PQS/E006/081

g-tek



Environmental Specification :

Temperature during Transportation and Storage – Device inactivated	-35 °C to 70 °C
Temperature during operation (Device)	5 °C to 60 °C (EN12830:1999 Table3, Climatic Type A)
Humidity During Transportation, Storage and usage	5 to 95% RH non-condensing

Human Interface :

Display Type	Character LCD Display with Min, Max, Battery Level Indication, OK/Alarm, calendar, clock, duration, delay counter, Alarm high and Low, Alarm marker, Bell symbol, REC/Pause indication and Current reading with measurement unit
Memory Size	30 days overview on the display/ PDF report up to 120 days at store interval of 5mins using LMViewXS E006 Software.
Activation	Device activation by long press of "UP" key for more than 10 seconds. Please refer to the operating manual for more details.
De-Activation	Cannot be manipulated, reset or deactivated without destroying it
Status Indicator	RUN: Red LED, flashes while device is activated STP : Red LED, flashes while device is not activated
Alarm Visual	Flashing temperature reading on display along with ▲ or ▼ arrow for high or low alarm with bell symbol.
Alarm Audio	Buzzer Output > 65 dBA. Buzzer will beep in alarm high/low condition.
Alarm Acknowledgement	After alarm acknowledgment, Buzzer will be deactivated for 1 hour
Power ON Indication	"RUN" LED blinks in active mode; LCD shows temperature data along with "REC" and alarm indications if any.
Mounting Device	Through 2 holes provided. Refer to operating manual for details
Material	Polycarbonate Plastic: non-breakable, non-corrodible housing
Warranty	24 months from the date of dispatch. Refer to warranty certificate for more details.
Service Provision	No user serviceable parts inside.

PC Interface and Software :

PC Interface	Data of more than 30 days can be extracted using LMViewXS E006 software. History data of 30 days can be seen using device keyboard and display without attaching to PC.
Software Compatibility	LMViewXS E006 is compatible with Windows Operating System currently supported by Microsoft
Connectivity	USB 2.0 Type- A Ports Compatible; Data Download Time: approx. 6 minutes for full data download

Physical Characteristics :

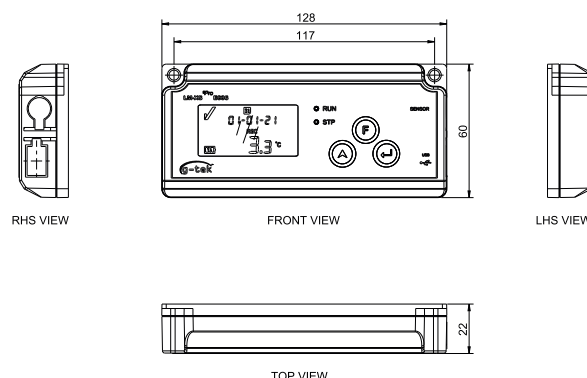
Overall Dimension (L x W x H) mm	128x60x22 mm
Weight	Approximate 120gms

Standards :

Electromagnetic Compatibility	IEC 61000-6-2/6-3
Resistance to Electrical Storms	IEC 61000-6-2; (IEC 61000-4-2 Basic Standard for applicability of tests)
IP Rating	IEC60529: IP 64 (External Sensor not Plugged in);
Impact Resistance	Yes
Vibration	EN12830:1999
RoHS	Compliant
Verification	In accordance with PQS verification protocol E006/TR06.VP.3

Select your ORDER Code:

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Overall Dimension:

Dimension L x W x D (mm)	128 x 60 x 22 mm
weight	Approx 120gms

Available in white lable

Dealer / Representative

The specifications given above are an overview, and may be or may not be available in all product variants, or at an additional cost. The company reserves the right to change the specifications without prior notice, as the company follows a continual improvement philosophy for its products.



Manufacturers of :

- Circular Chart Recorders
- Inkless Recorders
- Paperless Recorders
- Scanners & Data Loggers
- Networked Data Loggers
- Application Software
- Web based DAQ
- Vaccine Series Data Loggers

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