



Fusion by EasyLog
Wireless Sensor with Display

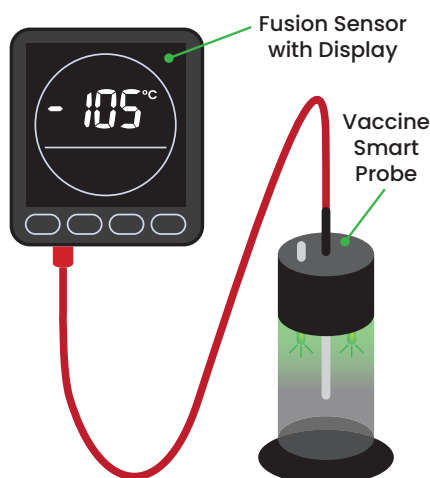


The all-new EasyLog Fusion System introduces an advanced new solution for temperature monitoring and data logging.

A Cloud-based system that provides real-time alarms, notifications, data visualisation and analysis, making it easy for users to spot critical events and trends.

Setting new standards in reliability and data security, you can be sure EasyLog Fusion provides continual protection and risk reduction.

Easily expandable, EasyLog Fusion can be scaled from monitoring a single container to a complete building or warehouse.



Your sensor can use EasyLog smart probes, if one is not fitted it automatically uses the internal temperature and humidity sensors.

Features and Benefits

Reliable

EasyLog Fusion is designed for maximum reliability, with Sensors and Gateways forming a self-healing mesh network to ensure your data always gets through.

Secure

All data within EasyLog Fusion is end-to-end encrypted, while sophisticated user access controls on the EasyLog Cloud make sure the users who need your data have it, but nobody else does.

Cloud Connected

Users can access their data from any internet-connected device, 24/7.

Real Time

Notifications direct to users are issued within seconds of a critical event, via email, SMS, voice messages or WhatsApp.

Scalable

Start small and work up – extra Gateways and Sensors can be added to EasyLog Fusion in no time at all.



Powerful monitoring, data analysis and reporting using the EasyLog Cloud

Remote monitoring has never been easier! EasyLog Cloud harnesses the power of IoT to automate data logging, with instant notifications that keep you in touch. All data is held in secure storage, and can be accessed 24/7 from any internet-connected device. Features include user

and location management, so the system scales easily and is perfect for compact systems with only a few loggers as well as corporate solutions with thousands of devices in locations worldwide.

We're sure you'll find it's the easiest way to remotely monitor the things that matter to you.



Secure & 100% Reliable

EasyLog Fusion can be installed without requiring access to existing security-sensitive data networks.

Gateways can be configured to operate on separate, dedicated WiFi routers, with cellular data as an emergency backup to ensure maximum reliability. Wireless Sensors are fitted wherever needed, monitoring store rooms, fridges and freezers, operating theatres and more.

Automatically forming their own Bluetooth mesh network extends Sensors' range far beyond that usually attainable in difficult wireless environments.

Cloud features at a glance

- Easy Device Management
- Advanced Notifications
- Powerful Data Analysis and Reporting
- Detailed System Audit Records
- EasyLog Cloud API

Smart Probe Options

Smart probes enhance traceability and confidence in your data by linking every measurement to a specific, calibrated device. They enable seamless interchangeability while maintaining a clear audit trail, so you can prove exactly which calibrated probe produced every data point.

Temperature and Humidity Probe



Applications:



Laboratories



Storage

Temperature Range	-30 to +80°C
Temperature accuracy	±0.3 (+5 to +60°C) ±0.8 (-20 to +60°C)
Humidity Range	0 to 100% RH
Humidity accuracy	25°C ±2%RH (20 to 80%RH)

High-Accuracy Temperature and Humidity Probe



Applications:



Laboratories



Storage

Temperature Range	-30 to +80°C
Temperature accuracy	±0.2 (+5 to +60°C) ±0.8 (-20 to +60°C)
Humidity Range	0 to 100% RH
Humidity accuracy	25°C ±1.8%RH (20 to 80) ±4%RH (0 to 100)

Pressure, High-Accuracy Temperature and Humidity Probe



Applications:



Controlled Environment



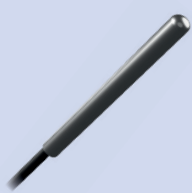
Laboratories



Storage

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Humidity Range	0 to 100% RH
Humidity accuracy	25°C ±1.8%RH (20 to 80) ±4%RH (0 to 100)
Pressure Range	300 to 1200 mbar

High Accuracy Smart Temperature Probe



Applications:



Laboratories



Hospitals



Pharmacies



Storage

Temperature Range	-40 to +125°C (-40 to +257°F)
Temperature accuracy	±0.2 (-15 to +80°C) ±0.6 (-40 to +125°C)



Technical Specifications

Communications to Gateway	
Wireless – Bluetooth Mesh	✓
Instant pairing to Gateway	✓
Device Operating Environment	
Temperature Range (°C)	-20 to +60°C
Accuracy	±0.5±C
Resolution	2 decimal places
Relative Humidity	0 to 100% RH
IP Rating	IP66
Logging rate: user selectable	10 sec to 12 hrs
Sync rate to Cloud: user selectable	1 min to 24 hrs
High and Low alarms: user selectable	✓
Cumulative alarms: user selectable	✓
Internal data storage	10,000 readings
Compatible with Lascar Electronics smart probes	✓
Power Supplies	
Batteries (Internal Lithium Battery)	✓
Battery Life	1 Year
USB-C power supply	✓
Data Security	
Encrypted communications (128-bit AES or higher)	✓
User Interface	
Live App and Cloud data and status	✓
Alarm and status lights	✓
Sounder	✓
LCD Display	✓
Additional Information	
Net Weight	240g
Recommended Wall Fixing Screws	Hole Diameter- 4.5mm suitable for #8 counter sunk screw



The image shows a black, square-shaped wireless sensor with a large LCD display. The display shows a temperature of 24.15°C, a humidity of 30.4%, and a date of 2036. It also has a 'Channels In Alarm' section at the top and a 'Sensor type: Normal' indicator. The device has four buttons at the bottom: 'Record/Stop', 'Clear Max/Min', 'Audit', and 'Page'.

Fusion Wireless Sensor with Display

Part Number	ELF-S-3
Description	Temperature and Humidity wireless sensor with LCD display

Included in the box



A black USB-C cable with a standard USB-A connector on one end and a USB-C connector on the other.



A black plastic wall mounting bracket with two slots for screws.

0.5m USB C cable Wall Mounting Bracket

