LOGGERFLEX
SMART DEVICES LTD

Why LoggerFlex?

No Gateway Required
Get instant phone calls, texts, and emails for power overloads, phase imbalances, or high panel heat.

Real-Time Alerts That Matter
Get instant phone calls, text messages, and emails for leaks, pressure drops, or temperature spikes.

One Platform. Everything Inside.
Manage every site, device, and alarm from one simple app.

Actionable Insight
Spot load anomalies and equipment failures early with automated analytics.

Collaborate Easily
Securely share power status and reports with your electricians and managers.

Remote Access, Anytime, Anywhere
Monitor fields, greenhouses, barns, and storage facilities from any device worldwide.

Scales With You
Grow from one sensor to thousands across multiple buildings without changing your setup.

Predictive Maintenance Made Easy
Avoid costly outages by detecting signs of trouble with simple and reliable sensors.

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Made in Canada

Electrical Monitoring & Submetering

IoT for Agriculture

See the Load. Prevent the Failure.

01. The Challenge

- Limited visibility into load and current.
- Inefficient power usage and phase imbalances.
- Equipment loss due to undetected overheating.
- Manual meter reading and fragmented data.
- No early warning for motor or vibration risks.

02. Key Features

- Power Qual data collection.
- Secure cloud dashboards for easy submetering.
- Multi-year battery operation for remote points.
- Industrial-grade accuracy for billing and safety.

03. Solutions

4–20 mA Bridge to Cloud for Any Sensor

This device acts as a universal bridge, instantly connecting any standard 4-20mA industrial sensor—such as those for vibration, gas detection, or flow, directly to the cloud. It transforms basic analog sensors into smart, wireless data loggers with built-in alarm systems. This allows you to easily monitor the health of existing sensors or design a completely custom monitoring solution to measure virtually anything in your facility without complex wiring.

Scan to Download Technical Datasheet

BLOCK PULSE

Part # BLPULS RETIRING · NO REPLACEMENT YET

- Cumulative Pulses
- Anomaly Detection
- Ambient Temperature
- Relative Humidity (RH)
- Flood Detector (optional)

Operational Temperature
0 to +60°C (32 to 140°F)
Power Supply
4 x AA Batteries
USB-C Port

Connectivity WiFi

04. Use Cases

Universal Compatibility:
Works with any 2-wire or 3-wire 4–20 mA sensor.

Direct Connectivity:
Connects via WiFi, No gateway or hub is required on-site.

Automated Alarms:
Set custom thresholds for instant notifications via SMS or email when a sensor detects an out-of-spec condition.

Predictive Maintenance:
Monitor current draw or motor vibration to identify equipment failure before it happens.

Utility Usage Tracking
Measure and analyze gas, water, or electricity consumption to reduce operating costs.

Usage Pattern Analysis
Understand normal versus abnormal pulse behavior for better system control.

Custom Risk Monitoring
Monitor specific pulse thresholds to prevent equipment failure or resource depletion.

Anomaly & Leak Alerts
Identify hidden leaks and unusual consumption patterns.

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MODGATE modbus - Cloud Gateway

Part # MODGAT

Battery-Powered Integration for Third-Party Devices

The MODGATE allows you to connect any machine or sensor with a Modbus interface directly to the cloud. It eliminates the need for complex gateways or local servers. You get instant access to real-time alarms and historical data logging through a simple web interface.

Direct to Cloud Connectivity
This device features both WiFi and Cellular connectivity. It automatically switches between them to ensure your data always gets through. With a built-in global eSIM, it works in 170 countries without any extra setup or local SIM cards.

Smart Power Management
MODGATE is designed for completely wireless operation. It can provide power to your external sensor, record the data, and then shut the sensor down to save energy. This unique feature allows you to deploy a battery-powered monitoring station in locations where power is not available. (6 & 14.4 VDC)

Simple Setup and Reliability
Setup is designed to be quick and easy for any user. There is no need for specialized technical support. Once connected, the device provides a reliable link between your hardware and the cloud.

MODBUS

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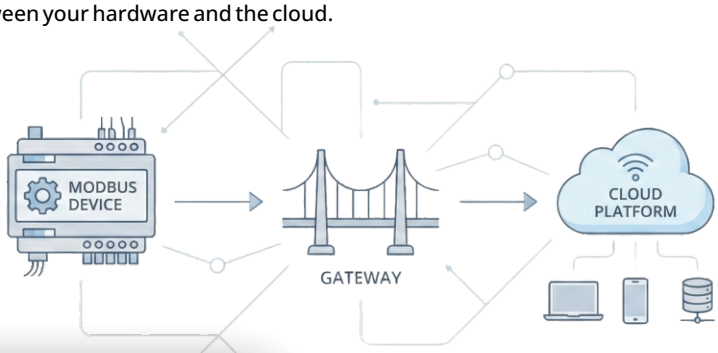

EDGE Thermo

Part # WiFi: EDWITR Cellular: EDCLTR

- Temperature Probe 1
- Temperature Probe 2
- Ambient Temperature
- Relative Humidity (RH)
- Mold Index
- Flood Detector (optional)
- Power Disruption
- Location (cellular model)

Power Supply
4 x AA Batteries
USB-C Port
Operational Temperature
-20 to +60°C (-4 to 140°F)
Probe Temperature range
-55 to +125°C (-67 to 257°F)
Accuracy
±0.5°C (0.9°F)

Connectivity Variations Cellular + WiFi WiFi

Ventilation Failure Alert

Detect dangerous CO_2 buildup instantly to prevent livestock and poultry losses.

Animal Respiratory Safety

Monitor CO_2 levels to reduce stress and improve animal productivity.

CO_2 for Plant Growth

Ensure optimal CO_2 levels for healthy crops and maximum yield.

Ventilation Capacity Check

Verify air exchange efficiency using real CO_2 load data.

Smart Ventilation Control

Balance CO_2 levels and energy use during cold or low-activity periods.

Exhaust Gas Detection

Identify harmful CO_2 intrusion from heaters, engines, or generators.

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03. Solutions

BLOCK Current

Part # BLXTCS

- **Current** 0.1 to 30 A (non-invasive)
- **Power Consumption** Est. Kwh
- **Probe Temperature**
- **Ambient Temperature** Recording only - No Alarms
- **Relative Humidity (RH)** Recording only - No Alarms
- **Dry Contact** (optional)

Power Supply
4 x AA Batteries
USB-C Port

Operational Temperature
-25 to +60°C (-13 to 140°F)

Connectivity WiFi

04. Use Cases

Compressor Overload Protection
Monitor for high current draw to prevent burnout in compressors and motors.

Belt Breakage Detection
Detect sudden drops in current that indicate broken belts or coupling failures.

Short Cycling Identification
Identify rapid on/off cycling that damages equipment and increases energy costs.

Predictive Motor Health
Track gradual increases in power consumption to identify wearing bearings before failure.

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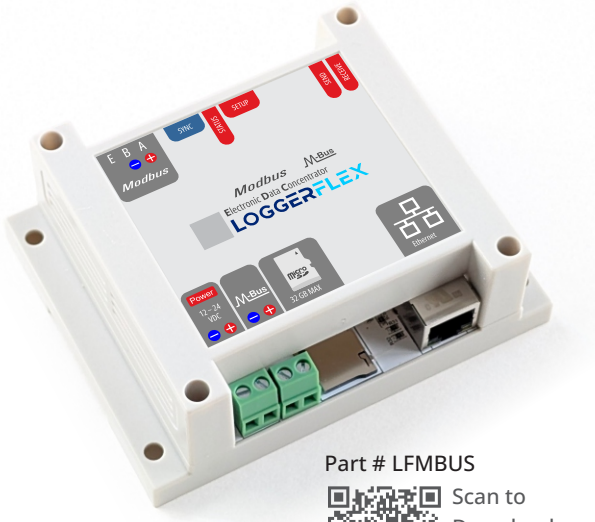

Part # LFMBUS

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LF M-Bus Cloud Bridge

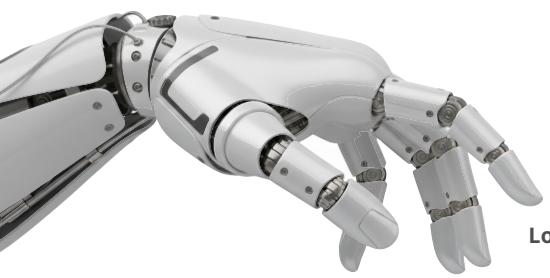
The LF M-Bus Cloud Bridge connects water, gas, heat, and electricity meters directly to the cloud. It is a powerful master and data logger designed for simple building management.

High Capacity and Storage
This device can read up to 360 meters simultaneously. It works with various brands and models on a single network. The internal memory stores half-hour records for all meters for over 10 years, and an SD card slot provides extra backup.

Simple Connectivity
Connect via LAN or WiFi for reliable data transmission. Setup is fast and requires no special support. The bridge ensures your utility data is always accessible and safe, even if the connection drops.

Advanced Billing and Alarms
Data syncs with LoggerFlex software for professional utility management:

- **Sub-billing:** Generate tenant reports automatically.
- **Smart Alerts:** Get notified of leaks or high consumption.
- **Anomaly Detection:** Identify irregular patterns instantly.
- **BMS Integration:** Use detailed audits for building efficiency.



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