

DATA LOGGER

Multi-Channel Data Acquisition Device



Compatibility

Customizable for multiple thermocouple types

Cost-effective

Save time and money with plug-and-play installation

Cybersecure

Encryption, authentication and remote updates

Comprehensive

Encompassing all required equipment and services

Data Logger is an IoT-enabled device designed to collect and transmit multiple thermocouple data simultaneously. It seamlessly integrates with cloud-based platforms, offering real-time data visualization for enhanced monitoring and analysis. It ensures precise data collection and streamlined analysis to drive operational efficiency and innovation.

Designed for compatibility and interoperability, it securely transmits multiple thermocouple data streams to a software platform, enabling seamless integration with applications, data analytics tools, and visualization dashboards. This empowers decision-makers with real-time insights into their critical assets.

With its compact, wheeled design and ground clearance, the Data Logger offers easy mobility, making it ideal for dynamic industrial environments.

DATA & SOFTWARE

Data hosting:	Cloud based
Cyber-security:	TLS 1.2 protocol
Software integration:	REST API
IoT software platform:	Web-based applications
Data export options:	CSV (Reports)
Data frequency:	Every 5 Minutes
Encryption:	AES 128
Storage capacity:	8 GB
Data communication:	Two-way authentication
Alarm threshold:	Based on threshold
Alert notification:	Dashboard notification, Email
System health check:	Included

POWER

Power on switch:	Yes
LED Indicator:	Included
Battery:	Rechargeable lithium battery
Battery capacity:	3.7 V, 5 Ah (4 in Series)
Operational run time:	70 Hours
Battery status notifications:	Included (Dashboard)
Battery charger:	Yes
Battery charging time:	10 Hours

CONNECTIVITY

Communication:	Cellular 4G/3G/2G
Data Transmission:	IoT
Antenna:	External antenna support

SENSOR INPUT

Connector type:	Female thermocouple connector
Number of Ports:	15 Ports
Additional cable:	Included
Cable temperature:	200°C

ENCLOSURE

Dimensions:	110 * 45 * 123 cm (L*B*H)
Weight:	53.4 kg
Material:	FRP with Insulation
Operating Temperature:	120 °C
Ground Clearance:	154 mm
Wheels:	Nylon castor wheels with lock
Wire Tray Locker:	Yes
Handle bar:	Yes



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