Sensor Recorder

Collect. Store. Deliver

INDUSTRIAL MONITORING | MULTIPURPOSE SENSORS | SAFETY

- **Easy to use:** Record high-quality data from multiple sensors.
- **Versatile:** Capture precise measurements with extended bandwidth and recording times.
- **Smart Analysis:** Leverage data insights to make informed decisions.
- **Asset Protection:** Track critical events like temperature, pressure, vibration, and shock variations.

VIBRATION SENSING	TEMPERATURE SENSING	SHOCK SENSING	PRESSURE MONITORING

Mechanical Specifications:

Mass: 70 grams

Housing Material: Ultra-Resistant Nylon with UV Protection

Adhesive Tape (Double-Sided): Yes, It's acceptable: 3M VHB or 950

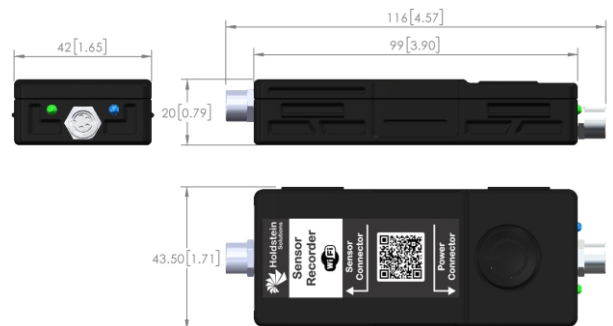**Length:** 116 mm (4.57 in)

Width: 42 mm (1.65 in)

Height: 20 mm (0.79 pol)

Ingress Protection: IP 67

Features & Certifications

WiFi | FC | CE | RoHS compliant

Dimensions in mm [inch]:

Exploring Continuous Monitoring with the Sensor Recorder

In today's dynamic world, where companies are focusing on predictive maintenance, understanding the behavior of equipment is crucial to prevent failures, minimize unplanned downtime, optimize performance, and consequently reduce costs. Unlike conventional methods that provide spot readings, our Sensor Recorder offers continuous data collection, creating a detailed "operational identity" over time. Here's why this is innovative:

Pattern Identification

The Holdstein Solutions Sensor Recorder captures variations and patterns over time, allowing the recording of behaviors that would go unnoticed in short-term measurements. This deep insight enables more precise operational adjustments.

Early Anomaly Detection

With continuous monitoring, it is possible to detect anomalies and trends that indicate imminent failures. This means you can act before a problem becomes critical, ensuring greater reliability and extending the lifespan of the equipment.

Robust Predictive Analysis

The extensive data collected allows the application of advanced predictive analysis techniques. You can anticipate failures, minimize downtime, and significantly reduce repair costs.

Comprehensive Historical Documentation

With a detailed historical record of operational behaviour, past and present conditions can be compared, the evolution of equipment can be understood, and maintenance can be planned with greater accuracy.

Holdstein Solutions aims to transform the way industries monitor and maintain their assets. Invest in continuous monitoring with the Sensor Recorder and discover how we can help your company reach new levels of efficiency and safety.

Partial General Specifications. Visit our website for more information:

Wi-Fi and Connectivity Specifications

IEEE 802.11 Compatible: Supports Wi-Fi standards for MAC and PHY, accommodating networks such as 802.11b, 802.11g, 802.11n, and 802.11ac.

Multiple User Support: Enables efficient management of network communication for multiple devices using techniques such as Multiple Input, Multiple Output (MIMO) and Orthogonal Frequency Division Multiplexing (OFDM). Supports simultaneous data streams, enhancing network capacity and stability.

Processing and Memory

Processor: Dual-Core 240 MHz, with high-performance processing capabilities.

Flash Memory: up to 8 MB, for storing programs and data.

PSRAM: 2 MB, for temporary data storage and enhanced support for applications that require extensive memory usage.

External Flash Memory: Starting from 8 GB for collected data, with the capacity to store tens of billions of data points.

Certifications

Compliance: The communication module is fully certified with FCC/CE standards, ensuring it meets rigorous communication regulations and quality standards for global use.

Power Rating

Power: 5 Vdc, 3A
Power Required: Powered by external DC power adapter, 100-240V AC, 50/60 Hz (Optional)

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