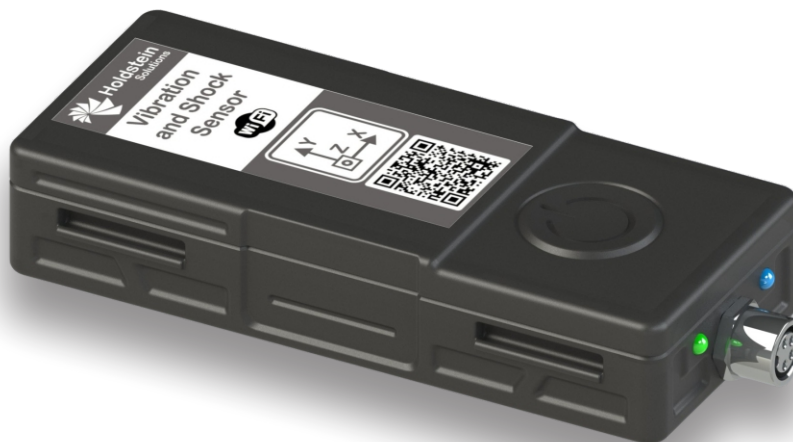




Vibration & Shock Sensor

Compact. Reliable. Fully Independent.



- Easy to record high-quality shock and vibration data.
- *Convenient way to create quick and accurate vibration spectrum profiles with wide frequency bandwidths and long recording times.*
 - Analyze the recorded data and act upon the results.
- *Protect your critical assets by knowing when, where, and how often damaging vibration and shock events have occurred.*

Accelerometer Specifications:

Accelerometer Type	Ranges [g]	Sampling Rate	Bandwidth	Sensitivity	Resolution
Digital Capacitive	±2, ±4, ±8, ±16	up to 3200 Hz	0 to 1600 Hz	0.0345 g/LSB	0.0039 g

VIBRATION SENSING



INDUSTRIAL MONITORING



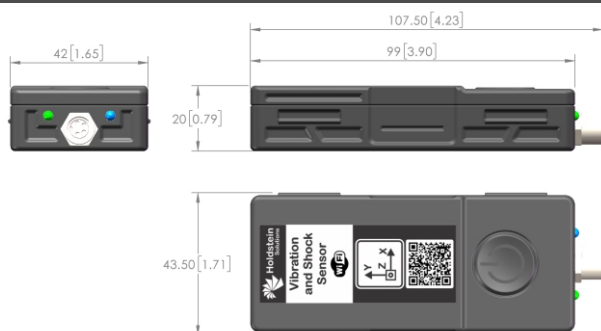
SHOCK SENSING



SAFETY MONITORING



Dimensions in mm [inch]:



Mechanical Specifications:

- Mass:** 70 grams
- Housing Material:** Ultra-Resistant Nylon with UV Protection
- Adhesive Tape (Double-Sided):** Yes, 3M VHB or 950
- Length:** 99 mm (3.9 pol)
- Width:** 42 mm (1.65 pol)
- Height:** 20 mm (0.79 pol)
- Ingress Protection:** IP 67

Features & Certifications



Exploring Continuous Vibration Monitoring with the Holdstein Solutions Vibration Sensor

In today's dynamic world, where companies are focusing on predictive maintenance, understanding the vibrational 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 vibration sensor offers continuous data collection, creating a detailed "vibrational identity" over time. Here's why this is innovative:

Vibration Pattern Identification

The Holdstein Solutions Vibration and Shock Sensor captures variations and vibration patterns over time, allowing the recording of behaviours 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.

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

Robust Predictive Analysis

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

Comprehensive Historical Documentation

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

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)



Holdstein Solutions is an emerging Canadian company committed to advancing technology and its practical implementation in the industry. With a strong focus on research and development, we strive to deliver cutting-edge integrated software and hardware solutions that are both innovative and dependable. Our extensive expertise in the deep water oil & gas industry has enabled us to develop top-quality products over the years. Trust Holdstein Solutions for advanced technology solutions tailored to your industry needs.

Get in touch with us:

info@holdsteinsolutions.com
www.holdsteinsolutions.com