

ENGENIUSMICRO DOT

HEALTH MONITORING WIRELESS SENSOR MESH NETWORK

A SIMPLE TO INTEGRATE LOW-COST, MODULAR, AND EXTENSIBLE SYSTEM FOR COLLECTING ENVIRONMENTAL SENSOR DATA. THE SYSTEM IS DESIGNED TO PROVIDE USABLE DATA THROUGH A VARIETY OF USE CASES FROM AGRICULTURAL MONITORING TO CONDITION BASED MAINTENANCE PROGRAMS.

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SUMMARY

The Dot wireless sensor system provides a simple yet robust modular solution to prognostic sensor instrumentation data collection and prognostic reporting. The system solves the customers desire for a wireless sensor system that has the capability to easily integrate into existing environments without the need to route and install complex networks of power and data cables or disrupt the existing equipment configurations or installations.

By integrating Dot wireless sensors into an existing work flow, the customer gains a real time look at the health of their system. By having real-time access to confirmation that machinery is operating within established temperature ranges, vibration levels, or other parameters, operators can more readily evaluate the performance of their operations. Instantly operators can be warned that a machine has stopped functioning, or a process has unexpectedly stopped allowing for immediate action to be taken

TECHNICAL INNOVATION

- Mesh network capability allows network to grow without requiring outside infrastructure
- Internal data storage allows you to collect data even when not network connected
- Intuitive iOS app allows for the collection and real-time monitoring of connected Dot data

TECHNICAL SPECIFICATIONS

- Compact format
 - The Dot is only 37.5mm x 16.5mm
 - Additional sensors maintain size format
- Dot standard measurements
 - 3-axis Accelerometer
 - Temperature
- Other connected sensors in development
- Custom sensor solutions available

TARGET MARKETS

Data collection activities where network access is not always available, where multiple sensors need to be read quickly and easily without specialized equipment.

Manufacturing & Plant Operations

Transportation & Logistics

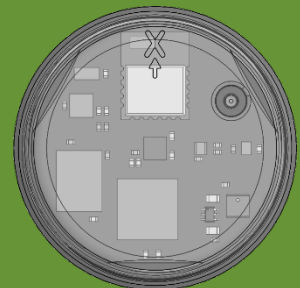
Agriculture

Aerospace

Defense

Condition-Based Maintenance

Instrumentation & Data Collection



Shown Actual Size Including Housing
37.5mm Dia. x 16.5mm