Predict-Plus® YOUR PUMP WANTS TO TALK TO YOU™

Predict-Plus is the Only Wireless and Cloud Connected Machinery Health Monitor Designed Specifically for Proactive Pump Monitoring.

- 24/7 online vibration and temperature monitoring device
- Automatic device registration on the cloud via cellular interface
- Proactive alerts from the Predict-Cloud
- Long term storage of trend data including Fast Fourier Transform (FFT)
- Affordable & available as a standard option on all PumpWorks Industrial products
- External or battery powered

ALWAYS ON

Predict-Plus is CONTINUOUSLY monitoring and logging your pump's health.

VIBRATION

Self-Calibrating Tri-Axial Accelerometer to capture FFT and RMS vibration data.

BEARING TEMPERATURE

Integrated thrust bearing temperature monitoring.

ALERTS

Proactive Alerts via email and SMS from the Predict-Cloud.

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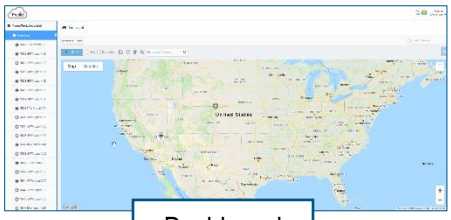
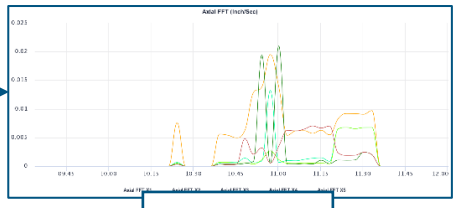
Predict-Cloud is a powerful tool in attaining the goal of reducing maintenance spending and increasing MTBR (Mean Time Between Repairs). By proactively identifying detrimental system conditions prior to catastrophic machine failure.

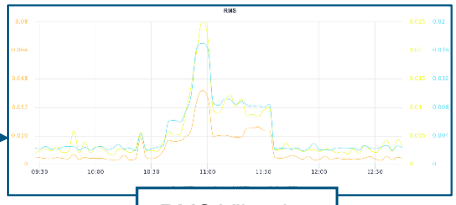


Dashboard



FFT Vibration

General Data



RMS Vibration

Predict

Go to www.predict-cloud.com

Or

Download on the App Store

GET IT ON Google Play

Measurements

- Footprint: 4.2” x 4.0” x 1.7”
- Battery Voltage (3 AA): 4.5VDC
- Wired Voltage: 9-24VDC/30mA
- Mounting Screw: ¼-20 x 0.75” Button Head

EDGE Computing

- Tri-axial vibration monitoring IPS
- Temperature monitoring ±5°F
- Real-time RPM calculation
- Real-Time Axial, Vertical, and Horizontal RMS
- Real-Time Axial, Vertical, and Horizontal FFT
- Operational time monitoring

Notifications

- RMS threshold cross alert
- FFT frequency threshold cross alert
- Operational time threshold cross alert
- Temperature threshold cross alert
- Low battery alert

Communication

- Automatically seeks optimal connection to Predict-Cloud servers over AT&T or T-Mobile 4G LTE or 3G based on signal strength

Operation Modes

- Battery (Low Power): 3 AA; Up to 4 samples per hour and 2 cloud upload times per day
  - Battery Life: 1 year in temperatures -40°F to +140°F
  - Batteries must be changed in an area free of ignitable concentrations
- External DC Power: 9-24VDC/30 mA; Up to 20 samples per hour and 8 cloud upload times per day

User Interface

- Internet Browser; Microsoft Edge, Google Chrome, Mozilla Firefox, Apple Safari
- Mobile App: Predict-Cloud on iOS and Android

Standards

- Class I, Division II
- IP66/NEMA 4X enclosure
- RoHS Compliant
- FCC Part 27 QIPELS31-V or QIPELS61-US
- FCC Part 15

Environmental Conditions

- Operating Temperature: -22°F to +158°F
- Relative Humidity: 90%
- Water & Dust Spray Resistant (IP66)