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.
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.

**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)