

CORNELL PUMP COMPANY



CORNELL PULSE™

SHORT-RANGE WIRELESS COMMUNICATION PUMP MONITOR



EFFICIENT BY DESIGN



PULSE™ FEATURES



- CONNECTS VIA SHORT-RANGE WIRELESS
- PROVIDES A SNAPSHOT OF OPERATION
- RETROFITTABLE TO OLDER PUMPS OR OTHER EQUIPMENT

LEADING-EDGE REAL TIME SNAPSHOT

Cornell Pulse, is an innovative way to measure pump vibration severity and temperature in real time—the unit itself is a small (less than 2” circumference) pump-mounted short-range wireless communication enabled device that takes pump readings when queried by the end-user. That query comes through a mobile app for phones and tablets that measures temperature and vibration on the pump when the app is initiated. This allows detection of common pump problems, as long as the end-user is recording conditions.

The name Pulse refers to checking the pump’s health right away. Designed to be robust, wash-down duty, Pulse can last five years with daily measurements (more frequent measurements use battery power and reduce service life.)



FREE APP AT YOUR FINGERTIPS

App is free in Apple and Android application stores, and new pumps from Cornell are rolling out with Pulse attached. The heartbeat of your system is now measurable whenever you need. Take the Pulse of your pump!

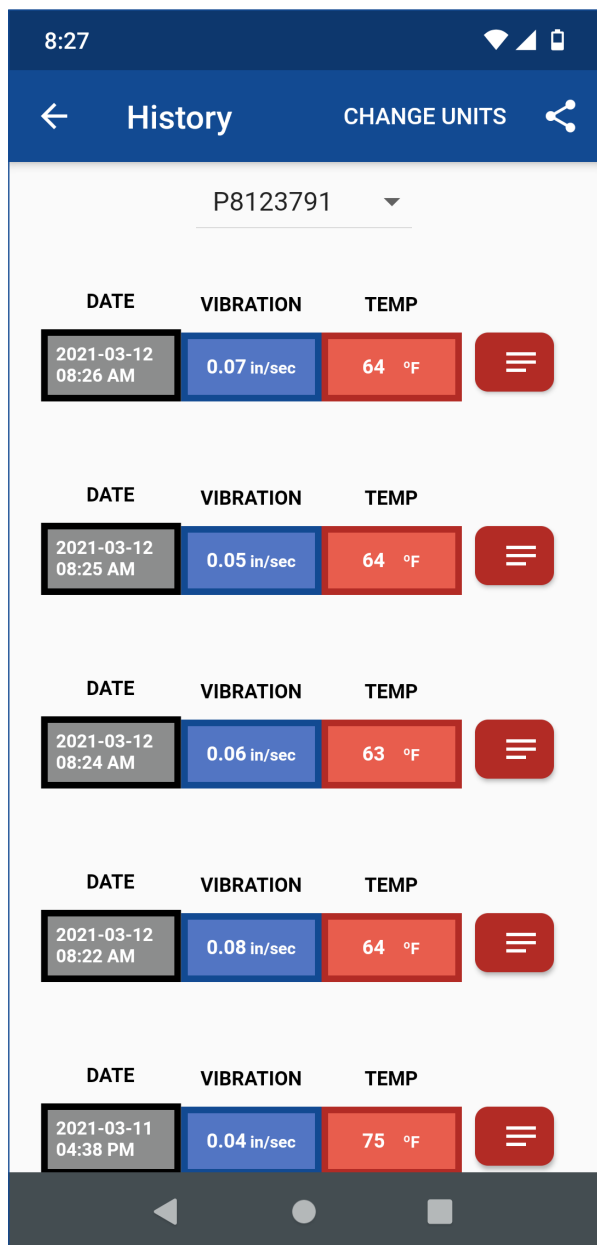
CORNELL PULSE ALLOWS YOU TO:

- Monitor pump health onsite
- Distinguish / rename pumps for greater clarity in multiple pump installations
- Use onboard power for up to five years for consistent, accurate readings
- Measure pump vibration severity
- Gauge bearing frame temperature

**Pulse is attached to all pumps where the submergence and operating temperature allows. It may be excluded from certain turbines, refrigeration, hot oil, and submersible pumps.*



DOWNLOAD THE PULSE APP



COMMUNICATION

- Low-energy, short-range wireless
- 33'/10m range with short-range wireless communication mobile application

MONITORING

- History: The app stores your previous records for each scanned device. No reporting features available yet. The data could be plotted by user, but must be done manually.
- History can be exported and shared via .CSV files.
- Application: Mobile app in iOS or Android
- Frequency: upon user initiated connection

PARAMETERS

- Vibration
- Temperature
- Alerts: provides data at moment of request. The data could be plotted by user, but must be done manually

DIMENSIONS /OPERATING STANDARDS

- Battery life: approximately five years (depends on operating conditions and number of queries per day)
- Power: onboard battery. Not replaceable
- Inputs: no additional inputs
- Temp Sensitivity: + / - 5 degrees F / 2.8 C
- Vibration Resolution: +/-0.05 in/s (+/-1.27 mm/s)
- Vibration frequency: 10Hz to 1kHz
- IPEX Rating: IP 65 Washdown duty
- Rated Operational Temperature: -4F / -20C to 185F / 85C
- Size: 1.57" x 1.57" x 1.19" (40mm x 40mm x 30mm)
- Warning: do not over-torque the Pulse unit on installation or disassembly. Recommended 75 in-lbs torque (6.25 ft-lbs)

VISIT [PULSE.CORNELLPUMP.COM](https://pulse.cornellpump.com) FOR MORE DETAILS

If you want more advanced remoting monitoring, consider the Cornell Co-Pilot:

Cornell Pulse has fewer features than Cornell Co-Pilot. Co-Pilot is able to track temperature and vibration like Pulse, but offers remote start and stop capabilities, custom alerts and out-of-parameter notifications, continuous monitoring, data storage and graphing capabilities, GPS location, and flow and pressure monitoring, among other measurements.



MARKET AND PRODUCT LINE



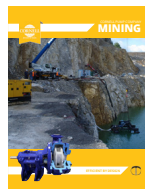
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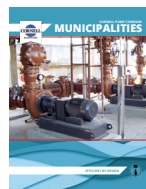
FOOD PROCESS



INDUSTRIAL



MINING



MUNICIPAL



WATER
TRANSFER



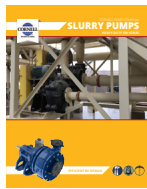
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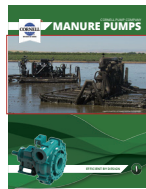
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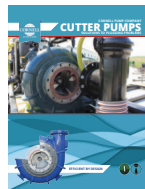
SLURRY



SLURRY SM



MANURE



CUTTERS



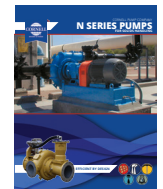
SELF PRIMING



HIGH FLOW



MX SERIES



N SERIES



CYCLONE™



EDGE™



HYDRAULIC
SUBS



IMMERSIBLE



CD4MCU



RUN-DRY™



PRIMING
SYSTEMS



CYCLOSEAL®

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Cornell pumps and products are the subject of one or more of the following U.S. and foreign patents:
6,074,554; 6,036,434; 6,079,958; 6,309,169; 6,104,949.

CORNELLPUMP.COM

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Fluid thinking



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