

Instrumentation

Co-Pilot Pump Controller

Overview:

Rain for Rent has partnered with Cornell to launch the Co-Pilot™ Pump Controller, an innovative system-monitoring unit that connects to pumps to track temperature, vibration, and location. The Co-Pilot is integrated with the pump, providing continuous monitoring and remote control, as well as alerts, reports, and notifications. System-performance tracking is easier than ever before thanks to greater visibility and more reliable, secure connections. With this influx of information, we are seeing data drive more industrial pump decisions every year. Through the Industrial Internet of Things (IIOT), industrial processes are evolving and the Co-Pilot Pump Controller is the tool to keep you at the forefront of operational efficiency.

Features:

- Cloud monitor single and multiple pumps via IIOT with battery power - monitor temperature, vibration, and GPS location
- Through external power, additionally monitor pressure, flow, start/stop operations
- Track data over time via web-based and mobile apps
- Real-time pump data for maintenance, monitoring performance degradation, and critical conditions
- Receive alerts for preset running conditions
- Communication: 4G LTE cellular cloud connectivity & GPS location information
- On-Board Monitoring: 3-axis vibration monitoring [Inch/Sec]

Dimensions/Standards:

- 3.4" x 3.4" x 1.9" (86mm x 86mm X 48mm)
- Robust insulated enclosure
- IP65 compliant (dust tight and protected against water from a nozzle)
- FCC Part 15 and RoHS compliant
- Temperatures from -22°F/ -30°C to 158°F/70°C
- Power: External DC power: 12-24 VDC; up to 20 samples/ hour and 8 cloud updates per day
- Back-up Battery operable: Three AAA Lithium batteries provide power when external power is not installed or is temporarily unavailable. This offers three months of service at four samples per hour and two daily cloud uploads. Batteries are replaceable.



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THE SPECIFICATIONS CONTAINED IN THIS SHEET ARE OPERATING GUIDELINES AND ARE INTENDED TO BE GENERAL REPRESENTATIONS OF EQUIPMENT CAPABILITIES. ACTUAL PERFORMANCE WILL VARY BASED UPON SYSTEM APPLICATION,

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