

RATTLER | LIFT STATIONS

RATTLER 3 - Remote Monitoring and Control of Lift Stations

The RATTLER 3 offers remote monitoring and control at lift stations to sustain maximum uptime, gain valuable system insight, and establish greater cost savings, all while ensuring added peace of mind. Equipped with cellular connectivity and data collection capabilities, the RATTLER 3 provides exclusive access to our cloud-based platform, allowing for 24/7 monitoring of system operation. View system statuses in real-time or through automatically generated reports, and get notified of critical issues via email and text alerts.

Be the first to know about power failure events with our battery back-up feature, ensuring "last-gasp" notifications, so that even if power is lost, you can still be in the know. Be informed when the fault light is on before it is reported by the public, or when the bulb is in need of replacement. Gain insight into pump and mixer status (on/off) and run times (hour meter monitoring), monitor external devices, such as pressure and flow meters, tank level sensors, cabinet door switches, and more – so that you know your lift station fully operational.



WHY RATTLER?

- Cost-effective solution
- Exclusive access to cloud-based monitoring platform
- View system status in real-time
- Control capability (PID Control/Logic Table)
- Notification of critical issues
- Failure alerts sent via text or email
- Automated reports
- Greater system insight
- "Last-gasp" battery backup
- Utilizes the industrial standard 4-20 mA current loop



CONNECTIVITY - FULLY INCLUDED

Cell Modem	4G Cat M1
GPS	Yes
OTA Software Update	Yes

INDUSTRIAL I/O	RATTLER 3s	RATTLER 3i
Analog Inputs (0-30V)	1	3
Analog Inputs - Voltage (0-280V)	2	1
Analog Inputs - 4-20mA	2	3
Digital Inputs	4	4
Analog Outputs - 4-20mA	-	1
Digital Outputs - On/Off, Freq., PWM	2	1
Outputs - 4-20mA or On/Off, Freq., PWM	-	1
Internal Temperature Sensor	Yes	Yes
RS485 Port	-	MODBUS RTU
USB Port	Yes	Yes

MISCELLANEOUS

Control Capability	PID Control, Logic Table, VFD Control
Non-volatile Memory	Yes
Operating Temperature	-37°C to 74°C
Humidity	5-95% Non-Condensing
Dimensions	1" x 2.375" x 4.5"
Input Voltage	10-30V DC
Power Consumption DC	< 20mA @ 12VDC (for Optional Solar Applications)

MONITOR THE FOLLOWING

Quality Power - Power Status, Power Failures, Generator Status
Pumps and Mixers - Status, Hour Meters, Run Times
External Measuring Devices - Pressure, Flow, Cabinet Door Status, Tank Levels
Fault Light - Status, Bulb Failure
Knockdown, Vibration, Shock, Orientation Change Detection



Rattler System