

# RATTLER | OIL AND GAS

## RATTLER 3 - Remote Monitoring and Control for Oil and Gas Applications

Optimize production while minimizing downtime. The RATTLER 3 offers remote monitoring and control for oil and gas applications. Gain remote insight into field operations, monitor critical equipment, optimize system performance, and regulate motor speeds with advanced control capabilities.

Equipped with cellular connectivity and data collection capabilities, the RATTLER 3 provides exclusive access to our cloud-based platform, allowing for 24/7 remote monitoring, real-time view of system status, live control means, advanced system reporting, and notification 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. Reduce frequency of service trips by gaining remote insight into field operations and critical machine data, including run status, tubing casing pressures and temperatures, tank levels, and motor speeds.



### WHY RATTLER?

- Cost-effective solution
- Exclusive access to cloud-based monitoring platform
- View system status in real-time
- Control capability (PID Control/Logic Table/VFD Control)
- 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 <b>or</b> 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
External Measuring Devices - Pressure, Flow, Tank Levels, Pump Status
Motor - Run Status and Speed, VFD Control
Knockdown, Vibration, Shock, Orientation Change Detection

