

VAPOR CUBE

CLOUD SENSOR GATEWAY SOLUTION FOR CONDITION MONITORING AND CONTROL



The VAPOR CUBE is a revolutionary cost effective, connect-anywhere device with integrated GPS and Modbus. Our user interface provides easy access to condition monitoring and control based on analog and digital inputs and Modbus protocols.

The VAPOR CUBE can be mounted in harsh outdoor conditions directly on the machine and will connect directly via the local cellular network to the AMI cloud solution.

Embedded cellular connectivity in

183 countries

Analog inputs

4x



Global cellular connectivity and GPS equipment location



White label option



Custom asset condition reporting



Data analysis of equipment vibration

SPECIFICATIONS

Communication

- 4G LTE with global coverage
- BLE (optional)
- GPS (optional geofence)
- Modbus RTU

Mounting & Dimensions

- 3.4"x3.4"x1.9"
- 90 x 90 x 60 mm
- Mounting screws 4x #8-32 x1 in. long

Standards

- FCC
- RoHS
- PTCRB, VZW

Operating Temperature

- Fahrenheit: -2 °F to 158 °F
- Celsius: -30 °C to 70 °C

I/O

- 4x analog inputs: (0-2.5V, 0-10V, 4-20mA (SW config.)
- 1x digital input
- RS 485

Edge Computing

- Rotating equipment: RMS, FFT, and run time
- Oscillating equipment: Stroke count, stroke rate, and run time

Power requirements

- Voltage: 9-24 VDC
- Current (@ 12 VDC):
 - Idle: 60mA
 - Data transmit (5-100 ms bursts): 200-300mA

User Interface

- AMI cloud via Internet browser
- Mobile AMI apps: iOS and Android