

VAPOR CUBE

CLOUD SENSOR GATEWAY SOLUTION FOR CONDITION MONITORING AND CONTROL



The VAPOR CUBE is a cost effective, connect-anywhere device with integrated GPS and Modbus. Our user interface provides easy access to condition monitoring and control (if wanted) 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.

IP67 rating

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, RS-485
- Embedded cellular connectivity in 183 countries

MOUNTING & DIMENSIONS

- 3.6" x 3.6" x 2.2"
- 91.44 mm x 91.44 mm x 55.88 mm
- Mounting screws 4x #8-32 x 1" long

STANDARDS

- FCC Part 15
- RoHS
- pTCRB, VZW

OPERATING PARAMETERS

- -22° to + 158°F / -30° to + 70°C
- IP67 Rating
- M12 connectors (2x)

I/O

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

SENSOR EDGE COMPUTING

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

POWER REQUIREMENTS

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

USER INTERFACE

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

