

Wi-care™ 300



Power Source

Power Supply	12-24V DC OR 3x Lithium Thionyl Chloride Batteries (3.6V, 8.5Ah)
Battery Life	Up to 5 years (depending on measurement periodicity)
Power consumption	Max 100mA @24V (protected by resettable fuse)

Communication

Wireless Protocol	Secure Open Thread (IEEE 802.15.4)
Broadcast Range	100m / 328 ft (sight line)
Software & Data	Interface: I-see™ Data Display Alerts: Notifications & E-mails Functions: External Software Compatible, Parameterization
Sensor Interface	4x IEPE Sensors 24V (1mA base, hardware-configurable to 4mA) OR 4x Low Power 3.3V Sensors (1.25V bias voltage)
Auxiliary I/O	Tachometer or Grease Pump Connection (in/out signal 24V, max 100mA)

Product Features

Vibration Measuring Range	Depending on External Connected Sensor
Frequency Range	2Hz to 16 kHz 4 Channels
Spectrum Resolution	Up to 16000 Lines (standard)
Operating Temperature	-20 °C to 85 °C / -4 °F to 185 °F @ 0-95% RH (non-condensing)
Sensor Technology	Depending on External Connected Sensor
Protection Rating	IP66/Type 4/4X
Weight	710 g / 25,04 oz (full)
Casing	Polycarbonate, Flameproof V0
Measurement	I-DNA: Up to 160 kHz ADC: 24-Bits, Synchronized up to 125 kHz

Accuracy/Drift

Sensitivity	Depending on External Connected Sensor
Sensitivity Tolerance	Depending on External Connected Sensor
Sampling Frequency	Depending on External Connected Sensor
Amplitude Linearity (%FSO)	Depending on External Connected Sensor



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