

Smart Motor Sensor

Motor compatibility

- 3-phase squirrel cage induction motor
 - Standard low voltage IEC and NEMA motors
 - Frames up to 450 (IEC 60034) or 500 (NEMA MG1) whose power range varies from 0.37 kW to 500 kW or from 0.5 hp to 700 hp
 - Motors driven by any type of device: directly on line (DOL), by variable frequency drive (VFD), soft starter and star delta.
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Requirements

Network

Network	Dedicated 2.4 GHz network (5GHz networks not supported)
Security	WEP, WPA, or WPA2
Signal strength	Greater than -60dB
Ports	Port 8883 and HTTPS port (443) must be open

Environment

Operation	-40 °C to +60 °C
Storage	50 °C to avoid energy leakage from lithium batteries´

App

iPhone	iOS 13 or later
iPad	iPadOS 14 or later
Android	Android 6.0 (Marshmallow) or later

Specifications

Physical characteristics

Weight	0.5 kg
Size	70x146x42 mm
Case material	ABS
Mounting	Cooling fins
Battery type	4 x replaceable AA lithium batteries

Vibration measurement

Amplitude range	±40 g
Frequency range	1 Hz to 3.1 kHz
Data format	Waveform, FFT, rms
2-axis vibration	Axial and radial

Wireless communication

Network standard	Wi-Fi b/g/n
Radio standard	IEEE 802.11 b/g/n
Frequency	2.4 GHz
Range (nominal)	>50 m

Certifications and standards

