



DATA SHEET

WEG MOTOR SCAN YOUR MOTOR POWERED BY INTELLIGENCE



Avenida Prefeito Waldemar Grubba, 3300
89256-900 - Jaraguá do Sul - SC
+55 47 3276 4000
wegmotorscan@weg.net
www.weg.net/wegmotorscan

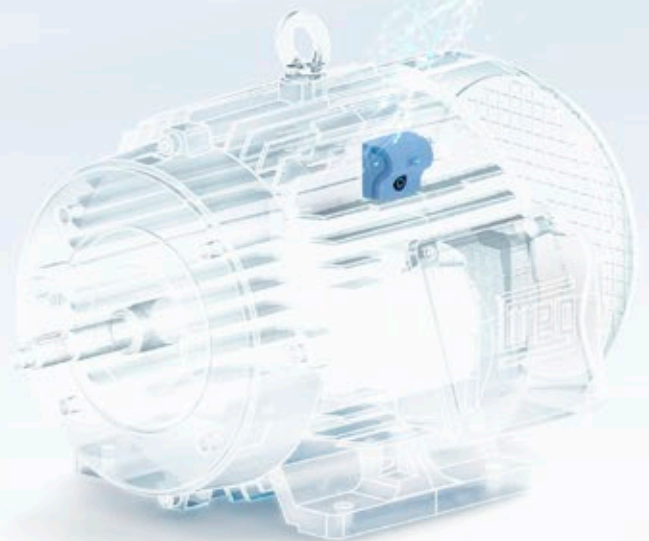
TECHNICAL DATA

Sensor

Housing material	PA6
Encapsulation	Epoxy
Mass	60 g
Dimensions	25 x 44 x 38 mm (H x W x D)
Protection rating	IP66
Electronics temperature	-40 °C to 80 °C
Air relative humidity	Up to 95% – non-condensing
Compliance	RoHS, WEEE, REACH
Software	mfm.wnology.io
Data storage in memory	30 days
Suitable for operation with	Direct online, soft-starter and variable speed drive

Battery

Material	Primary cell of Lithium Thionyl Chloride (Li-SOCl ₂)
Rated capacity	2.1 Ah
Rated voltage	3.6 V
Life expectancy	Up to 03 years (according to the operating conditions)
Lithium metal content	Approx. 0.6 g



TECHNICAL DATA

RF Module

Frequency range	2,402 – 2,480 MHz
Maximum range with smartphone	~10 m (depending on the environment)
Range with gateway	~30 m (depending on the environment)
Bluetooth® 2.4 GHz	Version BLE 4.1

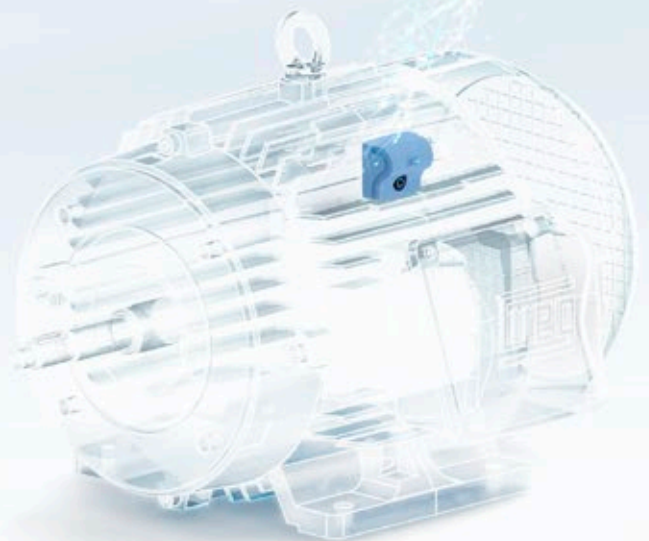
Supported Measurements

Global vibration	3 axes (every hour)
Vibration spectrum ¹⁾	3 axes 820 Hz @ ±16 g
Surface temperature	-40 °C to 135 °C (every 10 minutes)
Running time (h)	Every 10 minutes
Power supply frequency (Hz)	Every 10 minutes
Speed (rpm)	Every hour
Load (%) ^{2) 3)}	Every hour
Power consumption (kWh) ^{2) 3)}	Every hour

Notes: 1) Check out the manual for more details at www.weg.net/wegmotorscan.

2) Resource available for direct online starter.

3) Estimated values.



FEATURES AVAILABLE ON THE WEG MOTOR SPECIALIST

Diagnostics Analysis (autonomous)¹⁾

Unbalance

Misalignment

Bearings (advanced failure)

External vibration External vibration

Advanced Analysis¹⁾

Power consumption and motor load

Motor operation cost

Note: 1) Resource available for direct online power supply, for the moment.

Certifications¹⁾

CE, Anatel, FCC, IC, ICASA, ACMA, NOM, EAC, IMDA, SIRIM and SUBTEL

Note: 1) Check out the latest certifications at www.weg.net/wegmotorscan.

Hazardous Area (Inmetro, ATEX, IECEx and MASC)

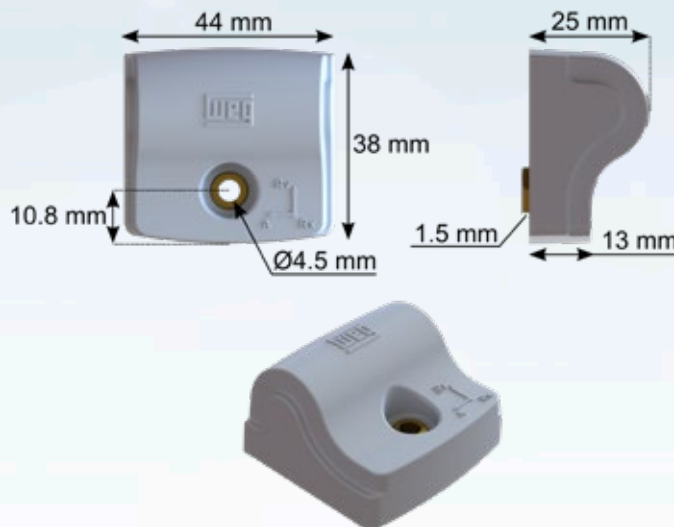
Ex ia I Ma

Ex ia IIC T4 Ga

Ex ia IIIC T135 °C Da

TECHNICAL DATA

DIMENSION DRAWING



Note: for the advanced data analysis proper working, the sensor must be mounted on the motor or on the application according to the directions contained in the WEG Motor Scan installation manual.

Code: 50079311 | Date (m/y): 06/2021
Subject to modifications without previous notice. The information contained herein is reference values.