General Description of Certifications

Serie: Motor Scan

Language: English

Document: 10008517862 / 00

Publishing Date: 05/2021

Summary of Reviews

The information below describes the reviews made in this manual.

Version	Review	Description
-	R00	First edition

1 INTRODUCTION

This general description certification document is related to WEG Motor Scan® and Gateway Cassia X1000 products.

Figure 1.1: *Motor Scan*

Figure 1.2: *Gateway*

2 RADIO CERTIFICATION

The radio certification status of WEG Motor Scan sensor and Gateway Cassia X1000 for each region at current date is shown below:

Table 2.1: *Radio certification*

Market/Application	Certification	WEG Motor Scan	Gateway X1000
US	FCC	√	√
Canada	IC	√	√
Europe	CE	√	√
China	SRRC	√	√
South Africa	ICASA	√	√
Brazil	ANATEL	√	√
Australia	ACMA	√	√
Chile	SUBTEL	√	√
Kazakhstan	EAC	√	No
Singapore	IMDA Registration	√	No
Malaysia	SIRIM	√	No

3 HAZARDOUS LOCATIONS CERTIFICATION

The WEG Motor Scan sensor is available for Hazardous Locations with Ex certification (ATEX and IECEx). The Ex sensor can be used in Zone 0 (for gases) and/or Zone 20 (for dust) following the Ex markings:

- **Ex ia I Ma.**
- **Ex ia IIC T4 Ga.**
- **Ex ia IIIC T125 °C Da (*).**

The ambient temperature range is -40 °C ≤ Ta ≤ +80 °C.

Important note:

1. **(*)** WEG motors for Zones 21 (Ex tb) and Zone 22 (Ex tc) are marked as T125 °C while the WEG Motor Scan sensor for hazardous locations at dust environments is marked as T125 °C.
   This means that, when the sensor is installed on these motors, it makes the set "motor + sensor" as T125 °C.

2. The **gateway X1000** for WEG Motor Scan is not certified for hazardous locations and must be installed just in safe areas considering its range of distance for communication with the sensor (approximately 30 m within an industrial environment). Other options are: either use an Ex marked smartphone or an Ex marked case for smartphone.

The status of these certifications for each region at current date is shown below:

Table 3.1: *Certifications for each region*

Region	Status	Observation
Europe	√	DoC + EU type examination
South Africa	√	MASC certificate
Brazil	√	Inmetro
South America	√	Normally ATEX is accepted(1)
Central Asia	√	Normally IECEx is accepted(1)
Singapore	√	IECEx certificate
New Zealand	√	IECEx certificate
Australia	√	IECEx certificate **Except for Queensland**

(1) The need of local certification must be verified with the local certification bodies.