bob

ASSISTANT

HELLO,
I AM
BOB ASSISTANT !

Your personal

maintenance assistant .

éolane

CARTESIAM.AI

ARTIFICIAL INTELLIGENCE AT THE EDGE

TECHNICAL DATA

Sensor :

Radio :
Maximum transmission power 25mW in the band 868.0 à 868.6MHz
LoRa SF6-SF12
LoRa 1.0 Class A, Class C (compatible)
Sensibility LoRa : -137 dBm

Temperature range :
StoRage : -25°C à +55°C
Use : -20°C à +55°C

LED RGB showing :
Network availibility,
learning stage,
and anomaly detection.

Sensor :
Accelerometer 3 axies
Temperature measurement
Vibrations measurement 7Hz à 1000 Hz
Adjustable periodic sampling

Firmware :
Automatic learning process and reporting by embedded artificial intelligence developed by Cartesiam.
Possibility to add new learning or to reset learning.
Encrypted data.

Power suply :
Battery, 2 years warranty (normal use)

Case :
Polyamide case
Dimensions : 76 x 79 x 23 mm
Weight : 75 gram
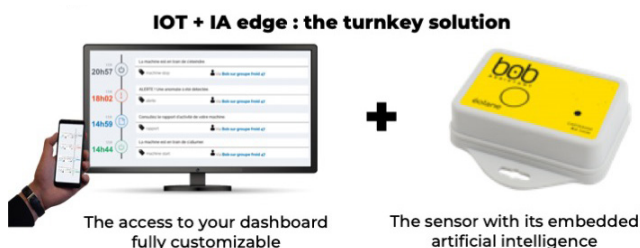Protection sign IP68

Tests et Certifications :
CE marqued product, qualified for industrial use in accordance with **EN 61000-6-2**.

ETSI EN 300 019 :
Storage Classe 1.2 Part 1.1
Transport Classe 2.3 Part 1.2
Use Classe 5.2 Part 1.5

Dashboard :

IOT + IA edge : the turnkey solution

The access to your dashboard fully customizable

+

The sensor with its embedded artificial intelligence

- Smartphone compatible dashboard
- BOB's fleet and users management
- Machine ON/ machine OFF - Alerting system
- Management of data alerts
- Overall equipment effectiveness (OEE)
- Probability failure graph
- Vibration spectrum
- Customised alerting trought email & SMS
- possibility to export data
- Data available throught API