Petit.iot

IoT

AI

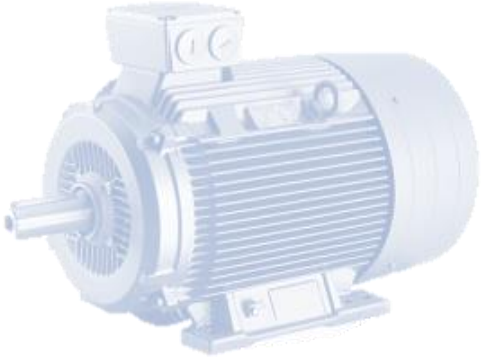
KPIs

An innovative technology *for* Predictive Maintenance *PdM*

- Edge computing with AI IoT device
- AI result set to apply to ISO 10816 metric
- Digitize the infrastructures
- Improve safety and availability
- Enhance asset duration

Petit PENSE is an AI IoT designed to monitor motors in real-time, as motor efficiency will impact industrial operation when any system shutdown or accident can lead to people being harmed and assets being damaged

Using **Petit PENSE** for PdM can increase labour utilization, increase production capacity, increase equipment life span and reduce maintenance cost



- Acceleration Peak
- Acceleration RMS
- Crest Factor
- Deviation of Acceleration
- Velocity RMS
- Displacement RMS
- Frequency Peak
- ISO 10816

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Specification

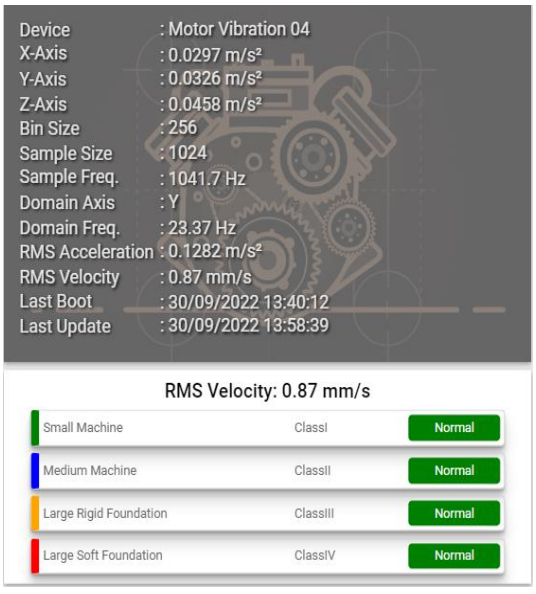
Main Control Unit MCU

Parts :	PM1
Communication :	LoRa ,WiFi 2.4GHz
Technology :	Edge AI IoT
Operation Temperature :	-10 to 55 ℃
Operation Humidity :	<85% RH
Power Input :	DC 5V
Power Consumption :	20W max / AC220V
Antenna Type :	Internal
Security :	AES 128 bit
Dimension :	98mm x 98 mm x 38 mm
Weight :	160g without cables

Vibration Sensor

Parts :	PV1
Technology :	3 ways acceleration
Communication :	Wired (0.6m long to MCU)
Operation Temperature :	-10 to 55 ℃
Operation Humidity :	<85% RH
Dimension :	Diameter 30mm,H 70mm
Weight :	150g without cable

Visualize Dashboard



Optional Sensor

Temperature Sensor

Parts :	PT1
Technology :	Resistance temperature detect (PT100/PT1000)
Communication :	Wired 1.5M long from MCU
Measure Temperature :	-30 to 600℃
Operation Temperature :	-10 to 55℃
Operation Humidity :	< 95% RH

Specifications are subject to change without notice

High Talent

Made in HONG KONG