

KPMG60 Wireless vibration sensor



KPMG60 Intelligent temperature and vibration sensor is a new type vibration data acquisition sensor that replaces traditional piezoelectric analog output sensors. KPMG60 is based on the wireless MQTT protocol and are actively uploaded to the equipment health management system by WIFI.

The product is waterproof, dustproof, easy to install and maintain, and the wireless digital signal transmission method eliminates the noise interference caused by long cable transmission, and the whole measurement system has high measurement accuracy and anti-interference capability.

Product Features

- Wifi wireless transmission with built-in antenna
- Outdoor unobstructed communication distance of 150 meters or more
- Bluetooth configuration acquisition and forwarding
- Lithium sub-battery power supply, capacity 12000mAh, working time more than 24 months (measurement interval 5 minutes, data upload interval 24 hours)
- Easy installation, fixture fastening, gluing fixed to the measured equipment
- Protection class:IP66
- Impact limit:100g

Installation instructions



Clamp-on



Screw on

Product size Technical Parameters



Vibration characteristics	Measuring Vibration Parameters	3 axes (each axis includes acceleration peak value and speed effective value)
	Speed measurement range	0.01-200mm/s
	Acceleration measurement range	0.01~156.80m/s2(±16g)
	Resolution	0.01m/s2
	Precision	Acceleration:±5%@80Hz. Speed:±5%@80Hz Displacement: ±5%@80Hz
	Frequency range	10Hz-1600Hz
Temperature characteristics	Measuring range	-40~85℃(Temperature sensing element)
	Resolution	0.1℃
	Precision	±1℃(stable temperature)
Ultrasonic measurements	Microphone	Range of amplitude: 0.6 mN/m2 - 20 N/m2
		Measurement frequency: 100Hz~80kHz
Communication Range	WIFI	Frequency: 2.400 GHz to 2.48 GHz, within 150 m or more
	Bluetooth	Frequency: 2.400 GHz to 2.482 GHz, within 10 m
Power parameters	Power supply	3.6V (Li-ion battery)
	Battery capacity	Battery capacity 12000mAh, 3.6V
	Stand-by current	<30uA
	Working current	<20mA during acquisition, <300mA during data upload
Enclosure Requirements	Shell	PC+ABS
	Size	86*86*41.9mm
	Installation	Magnetic, Bolt, Curved bracket, Adhesive
	Protection level	IP66
Working condition	Impact limit	100g
	Environment temperature	-40~85℃

Application occasion

Security threshold warning and alarm

Remote Monitoring

Online monitoring of equipment health status

Vibration analysis and health diagnosis