



SMS-RC

Predictive maintenance
Rotor Care Solution



All In One



- Rotor Quality
- Dynamic Balance
- Spectrum Analysis
- Vibration Meter

SMS-RC solves your problems in plant !



Specification	
SMS-RC System	
Target measured object	All rotating machinery, Ballscrew, Gear box, Linear guideway
Channels	1
Sampling rate	20k Hz/s
Diagnostic display	ISO norm (ISO20816/ISO10816) criticality levels
	ISO 1940 Dynamic G levels
	FFT(steady & unsteady signal), Time waveform
	Vibration value(AVG/MAX/Real Time)
Filter feature	ISO20816/ISO10816 Bandpass filter(10-2k Hz)
	FFT Bandpass filter(1-10k Hz)
	Vibration meter Low-pass filter / High-pass filter(1-10k Hz)
Display units	Acceleration: g, m/s ²
	Velocity: um/s, mm/s, in/s, m/s
	Displacement: mm, mil
	Frequency: Hz, RPM
Data export	All measurements in CSV format / in JPG(screenshot)
SMS-RC Vibration kit	
USB DAQ	ADC Resolution: 16 Bit
	IEPE: 2mA/24V Input range: ± 5 V
Accelerometer	Sensitivity ($\pm 10\%$): 100 mV/g
	Measurement Range: ± 50 g
	Frequency Range (± 3 dB): 0.5 to 10000 Hz
	Temperature Range: -54 to +121 °C (-65.2 to +249.8°F)
	Weight: 51 gm
	Housing Material: Stainless Steel
Cable	Electrical Connector: 2-Pin MIL-C-5015
	Connector: MIL-C-5015 compatible to BNC Length :2m
10.1" Industrial Tablet	
Operating System	Windows 10 IoT Enterprise
Processor	Intel® Atom™ x7-Z8750 quad-core, 1.6 GHz (2M cache, up to 2.56 GHz)
Memory	4 GB LPDDR3
Storage	eMMC 64 GB, Micro-SD Support (up to 128GB)
Display	10.1" FHD LCD WUXGA 1200x1920
Battery	Hot-swappable battery with capacity LED indicators; 10.8V, 2400 mAh, 26 WHr
	Operating time: 4~6 hr (depending on usage scenario)
	Charging time: < 3 hr
Standard I/O	1 x Micro HDMI, 1 x USB 3.0, 1 x combo audio jack, 1 x 19 VDC-in jack, 1 x SIM card reader, 1 x micro SD card reader
IP Rating	IP65
Operating Temperature	-10 ~ 50 °C (14 ~122 °F)
Humidity	Operating: 10 ~ 90% @ 40 °C (104 °F) non-condensing
Dimensions (W x D x H)	80 x 18.3 x 180.1 mm (11 x 0.7 x 7.1 in)
Weight	980 g/2.16 lb
Certifications	FCC, PTCRB, CE, CB, UL, TELEC, VCCI, BSMI, NCC, CCC, SRRC, RCM, IC, BIS

Order Option 1

SMS-RC Full package

- SMS-RC SW license x1
- Accelerometer accessory x1
- 10" industrial tablet x1

Order Option 2

SMS-RC Acccelerometer kit

- SMS-RC SW license x1
- Accelerometer accessory x1

Supporting tablet

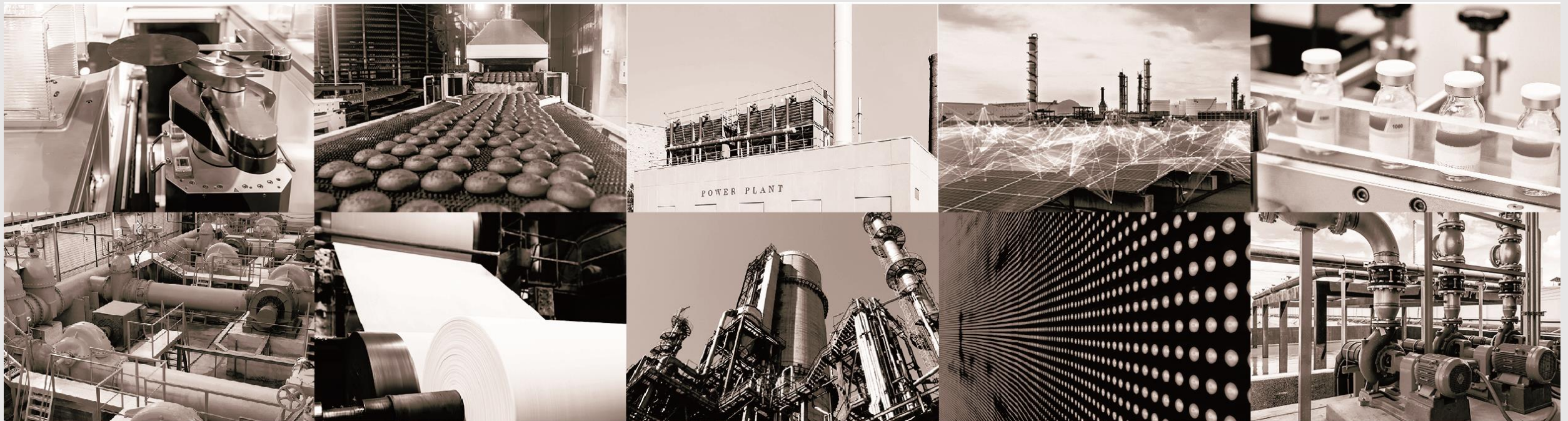
- ① Power button
- ② Volume control
- ③ Power indicator (LED)
- ④ Input/output port:USB3.0 micro HDMI
- ⑤ DC - input jack
- ⑥ SD + SIM port



Accelerometer accessory

- Sensor transmission line (2 meters) x 1
- USB DAQ (Type A and micro type convertible) connector cable x 1
- Vibration sensor (100 mV/g) (operating temperature : -54°C~121°C) x 1
- Magnetic sensor base x 1
- Probe x 1
- Carrying case x 1





Field :

Semiconductor Industry, Petrochemical Plant, Food Factory, Pharmaceutical Plant, Paper Mill, Panel Factory, Led Factory, Power Plant, Pumping Station, Sewage Treatment Plant, Processing and Manufacturing, Equipment Manufacturers, Maintenance Service Providers, etc.

Target machine:

Pump: vacuum pump, oil pump, sewage pump, etc.

Production equipment: machine tool spindle, cutting machine, etc.

Air compressors: screw, centrifugal, reciprocating air compressors, etc.

Others: cooling towers, exhaust windmills, HVAC, etc.