



# 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 !



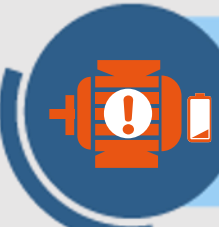
Premature wear of machinery components



Production stops and delay



Less efficiency



Energy losses (Rotor faults trigger the high current and voltage)

# SMS-RC

Specification	
<b>SMS-RC System</b>	
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(10-1k Hz)
	FFT Bandpass filter(1-10k Hz)
	Vibration meter Low-pass filter / High-pass filter(1-10k Hz)
Display units	Acceleration: g, m/s <sup>2</sup>
	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)
<b>SMS-RC Vibration kit</b>	
USB DAQ	ADC Resolution: 16 Bit IEPE: 2mA/24V Input range: ± 5 V
Accelerometer	Sensitivity (±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 Electrical Connector: 2-Pin MIL-C-5015
Cable	Connector: MIL-C-5015 compatible to BNC Length :2m
<b>10.1" Industrial Tablet</b>	
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

<b>Order Option 1</b> SMS-RC Full package	<ul style="list-style-type: none"> <li>◦ SMS-RC SW license x1</li> <li>◦ Accelerometer accessory x1</li> <li>◦ 10" industrial tablet x1</li> </ul>
<b>Order Option 2</b> SMS-RC Acccelerometer kit	<ul style="list-style-type: none"> <li>◦ SMS-RC SW license x1</li> <li>◦ Accelerometer accessory x1</li> </ul>

## 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

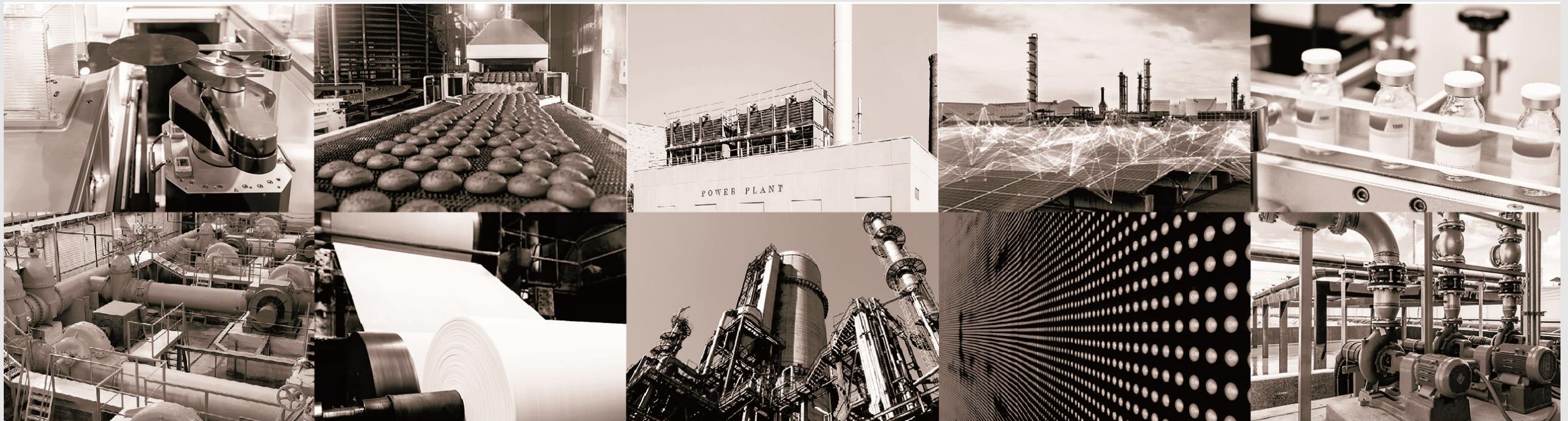


## Accelerometer accessory

- 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.