



MODEL SM1

Full-service, easy-to-install condition monitoring in a compact package.

Combined with our powerful, cloud-based, full- or self-service Waites diagnostics service, the SM1 high-frequency, high-g, 3-axis wireless vibration sensor will keep your equipment running properly and alert you long before unexpected failures occur. With over one hundred thousand sensors installed and monitored, customers with Waites systems realize over \$60 million per year in documented lost production savings (and/or increased production capacity).

POWER

Battery: (1) 3V Approved CR123A Industrial Lithium

Expected Battery Life: 6 years*

*based on reading intervals of Temperature every 15 minutes, RMS every 1 hour, Raw readings every 24 hours

WIRELESS RADIO

802.15.4 Wireless 2.4GHz ISM Band with 3,000 ft LOS range

TEMPERATURE SENSOR

Range: -40°C to 85°C w/ .5°C Resolution

ENVIRONMENTAL

C1D1 Certified hazardous locations (Coming 3/1/2020)

Operating Temperature -40°C to 85°C

ACCELEROMETER

SM1: Tri-Axis, High Dynamic Range

X Axis: +/- 50g 22,400Hz Fs, 1024-8192 Lines of resolution

Y Axis +/- 16g, 5400Hz Fs, 1024-8192 Lines of resolution

Z Axis +/- 16g, 5400Hz Fs, 1024-8192 Lines of resolution

PHYSICAL DIMENSIONS

2½" x 1¼" ø / 63mm x 32mm ø, 1/4-28 mounting hole



With its compact size, the SM1 can fit into practically any space, allowing your operation to monitor machines in even the tightest locations.

FREQUENCY RESPONSE

