

# SM7-0564 SENSOR MOTE OVERVIEW

## Easy-to-install condition monitoring in a compact package.

Combined with our powerful, cloud-based Waites reliability portal, this mid-frequency, high-g, 3-axis wireless vibration sensor with wake-on-shake trigger functionality will keep your equipment running properly and alert you long before unexpected failures occur. The compact size of the SM7-0564 allows it to fit into practically any space, enabling your operation to monitor machines in even the tightest locations. With well over half a million sensors installed and monitored, customers with Waites systems realize hundreds of millions of dollars per year in documented lost production savings and increased production capacity.

### ACCELEROMETER

- Tri-axis, high dynamic range
- X axis: +/- 64g, Fmax 5.2kHz
- Y axis: +/- 64g, Fmax 5.2kHz
- Z axis: +/- 64g, Fmax 5.2kHz
- 31,250 lines of resolution (10,416 simultaneous X/Y/Z)

### TEMPERATURE SENSOR

Range: -4 to 185 °F (-20 to 85 °C) w/  $\pm 1$  °F ( $\pm 0.5$  °C) accuracy



### ENVIRONMENTAL

- Operating Temperature: -4 to 185 °F (-20 to 85 °C)
- IP69K

### WIRELESS RADIO

802.15.4 wireless 2.4 GHz ISM band with 2,100 ft (640.08 m) LOS range

### POWER

Battery: Waites BT7-7000

### PHYSICAL DIMENSIONS

- 2.5 in x 1.25 in  $\varnothing$  (6.35 cm x 3.2 cm  $\varnothing$ ), 1/4"-28 mounting hole
- 2.4 oz (68 g) without battery / 3.2 oz (90 g) with battery