

Vibration Monitor - ASV Hardware Setup Instructions

IMPORTANT: Call ATEK's Customer Care Team (CCT) at 800-523-6996 prior to moving forward with any of these setup instructions. Site and contact information is needed before data can be accepted by ATEK Intelligence Platform (AIP).



Setting up the Monitor

- 1 Open monitor case by pulling up on two latches on front of case.
- 2 Connect black wire to negative (top) battery terminal as shown. Ensure red wire is seated on positive terminal.
Green LEDs on board will begin to light up.
- 3 Remove protective caps from Sensor Ports and connect sensor cable ends to receptacles. Be sure connectors are snug to provide environmental seal.
- 4 Connect cables to vibration sensors as needed.
- 5 Wait 2 minutes after plugging in battery then press **TEST** button on board.
Monitor will go through a data collection cycle that will last for 10 minutes before reverting to normal operation.
- 6 Call ATEK Customer Care Team at 800-523-6996 to ensure monitor has communicated with AIP or login if access is already available.
- 7 Shut and latch lid.



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Setting up the Monitor (continued)

- 8** Slide washer off magnetic end of vibration sensor and place vibration sensor onto a magnetic surface on motor or machinery bearing hub or other location of interest.

Place vibration sensor so magnetic rails are parallel with curvature of housing if surface is not flat. It is best to place vibration sensor on a smooth surface.

Gently place one rail down first then “rock” vibration sensor to place other rail. Do not place both rails at same time, as this may cause damage to vibration sensor.

- 9** Locate monitor unit for best cellular signal. Route sensor cable with caution to protect from damage.



Recharging the Monitor Battery*

- 1** Charging port is located on right side of monitor case.
- 2** Remove threaded plastic cap from charging port by turning counterclockwise.
- 3** Plug battery charger's AC plug into a nearby outlet and screw charging jack into charging port using silver nut.
- 4** LED on battery charger will turn red to indicate monitor is charging.
Monitor will begin charging. Full charge is achieved within 6-8 hours.
- 5** LED on battery charger will turn green when charging is complete.
- 6** Unscrew charging jack from charging port and secure attached plastic cap onto charging port.

*Note: Battery should be charged between -10° C and 40° C (14° F and 104° F). See Product User Manual for detailed information on battery use and care.

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