

# ShakerWatch

## Wireless Vibration Analyzer for Shakers



ShakerWatch by Motionsics is an advanced iPad-based vibration measurement and analysis tool for vibratory screens and shale shakers. ShakerWatch features a tri-axial accelerometer with magnetic base that can be attached to any test point on a shaker to measure and analyze vibration motion in three directions. Wireless Bluetooth connectivity enables safer and more efficient motion and vibration tests for shakers. Innovative wireless technology eliminates wiring and connectors to increase safety, ease of use, and durability.

The ShakerWatch iPad app performs X-Y orbit tests with auto-calculated RPM, G-force, stroke and angle. Bump test, side displacement and support structure vibration tests can be also be performed within the app.

## ShakerWatch

### WIRELESS VIBRATION ANALYZER FOR SHAKERS

ShakerWatch Accelerometer	Specification
Accelerometer Type	Tri-Axial
Measurement Range	±40g
Resonant Frequency	5500Hz
Sampling Rate	500-4000Hz (adjustable)
Data Block Size	256-4096 samples (adjustable)
Connectivity	Bluetooth Low Energy
Data Transmission Range	98ft (30m)
Weight	0.380lb (172g)
Dimensions	3.2"W x 2.0"D x 1.6"H (81mm x 52mm x 40mm)
Working Temperature	-4 to 140°F (-20 to 60°C)
Dust/ Water Resistance	IP66
Magnetic Base	Round 35lb (15.88kg)
Battery	Lithium CR2477 3VDC
Battery Life	500hrs
Software Compatibility	iPadOS



+ Compatible with all major shaker manufacturers



Bluetooth Low Energy



Water/dust-proof for industrial environment



Bump Tests



Smart Orbit Test



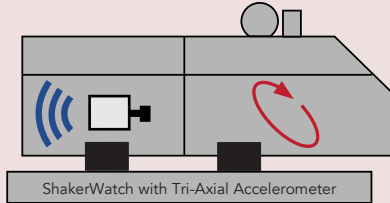
3-Axis Accelerometer



Auto Test Report Generation



Wireless Connection



ShakerWatch with Tri-Axial Accelerometer

#### Included with purchase:

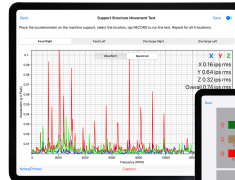
- ShakerWatch Wireless Accelerometer
- CR2477 Coin Battery x2
- Protective ShakerWatch Case
- User Guide
- ShakerWatch iPad App

#### Optional Extras

- Extended 3 Year Warranty
- iPad with Protective Case

#### ShakerWatch App Features:

- Wireless Tri-axial Vibration Signal Transmission
- Automatic Sensor Tilt Angle Compensation
- Orbit Test with Auto RPM, G-Force, Stroke and Angle Calculations
- Interactive Vibration Waveform, FFT Spectrum, and X-Y Orbit Plot
- Color-Coded Side Displacement Tests
- Bump Test with Auto Major Frequency Detection
- Attach Test Photos and Notes During Tests
- Auto PDF Test Report Generation
- Local Database and Test Record Manager
- Export Test Data in Excel File and PDF Test Report



ShakerWatch iPad App



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The software & hardware can be customized.  
Contact Motionsics for details.

Scan to see product page



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