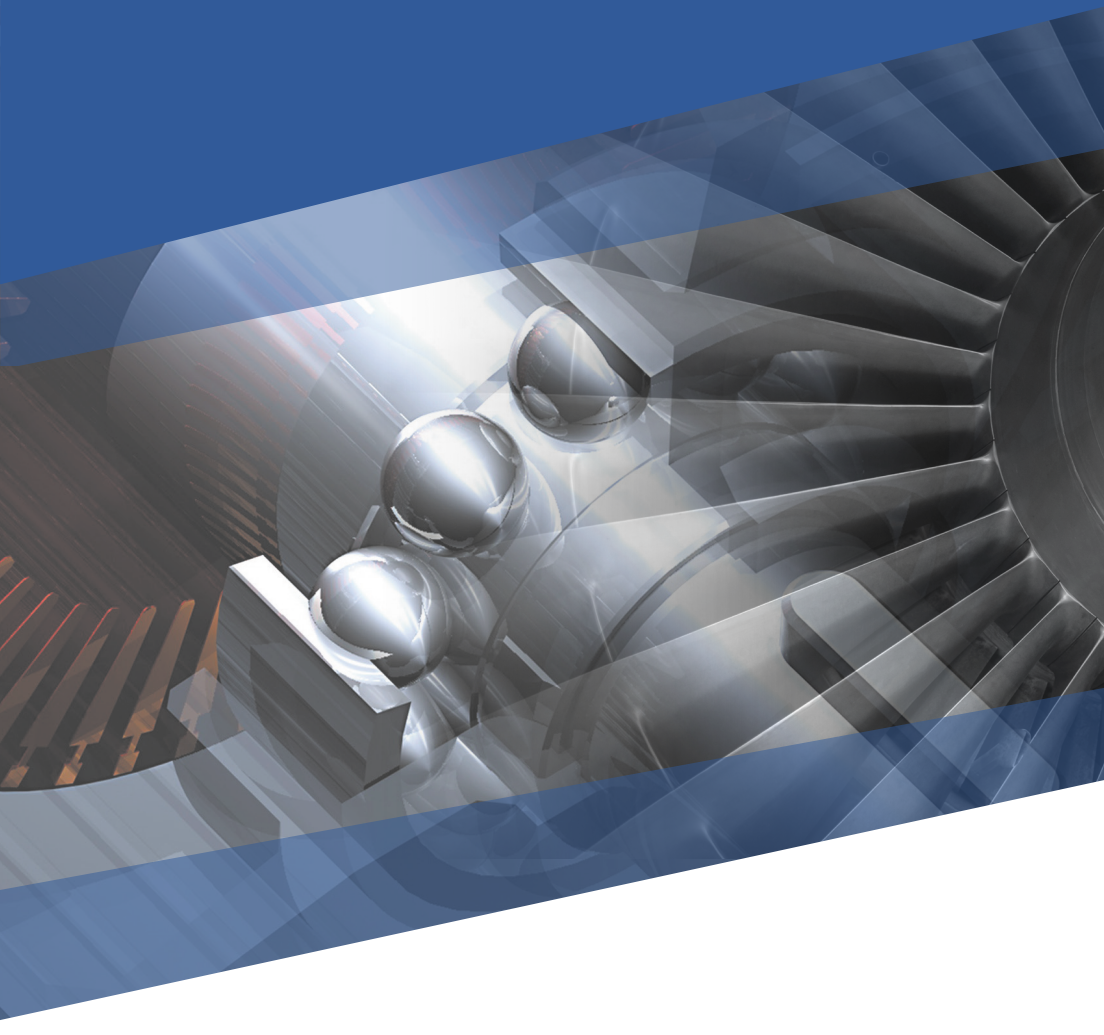
PRODUCT CATALOG

No. 116



motionics

Motionics, LLC

Smart Measurement Tools and Wireless Instrumentation

Rev 16 - September 2021

ABOUT MOTIONICS, LLC

Motionics, LLC specializes in instrumentation, metrology, machinery diagnostics, condition monitoring, and advanced vibration analysis of rotating machines. Motionics' products include wireless measurement tools, wireless power monitoring devices, software for online diagnosis of rotating machinery using vibration and electrical signals, model-based fault detection and diagnostics, smart solutions for vibration monitoring, and rotor balancing.

This catalog is Motionics' commitment to provide relevant product information to our customers and partners. Motionics continues pushing the boundaries of industrial measurement technology.

Thank you,

Motionics, LLC

Table of Contents

info@motionics.com

www.motionics.com

https://store.motionics.com

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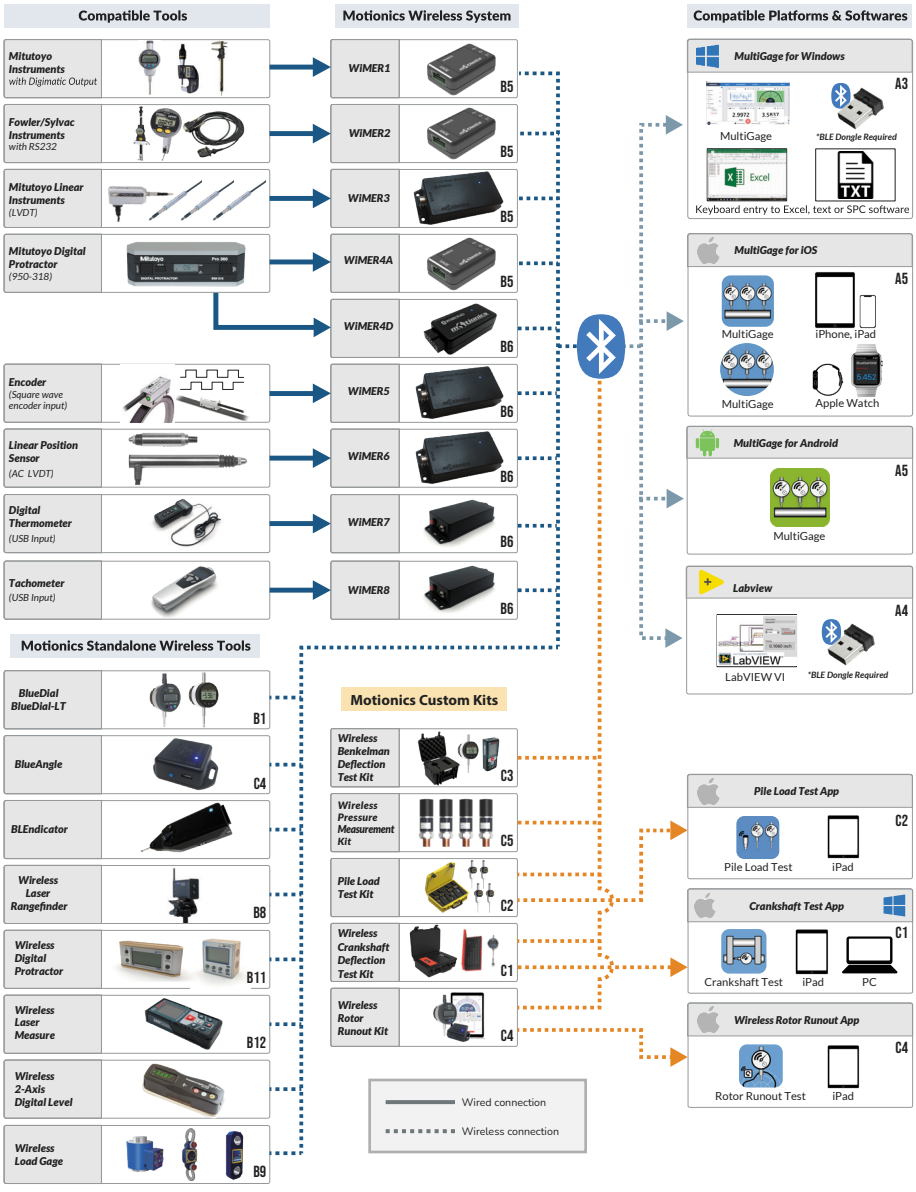
Motionics, LLC
8500 Shoal Creek Blvd.
Austin, Texas 78757
Phone: +1 (205) 264 – 1896

Product Selection Guide

Wireless Measurement

Motionics, LLC



Motionics specializes in bringing smart solutions to industrial metrology applications. We provide diverse external transmitters, compatible with a wide range of instruments from different manufacturers, to add wireless data transmission capability to your existing gages. We also offer standalone Bluetooth dial indicators, angle sensors, and pressure sensors for various applications. With the help of our apps/software covering iOS, Android, Windows and LabVIEW, measurement will be safer, more efficient, and error-free.

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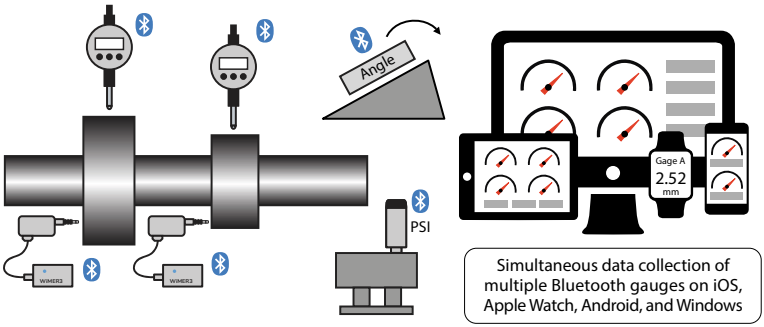
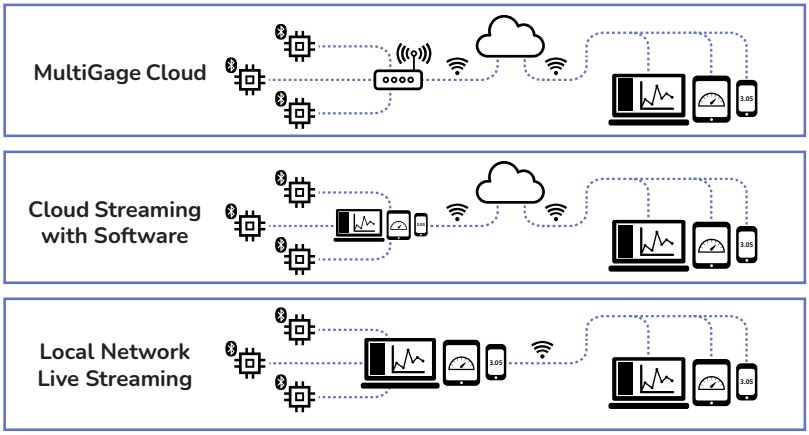
Wireless Multi-Gage Measurement Solution - iOS, Android, & Windows



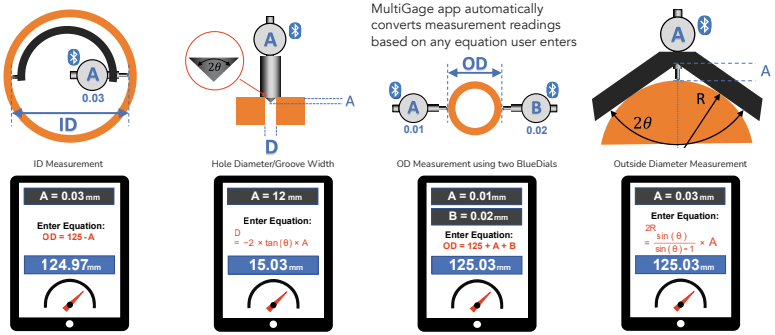
Simultaneous data collection of multiple Bluetooth gauges on iOS, Apple Watch, Android, and Windows

Real-Time Cloud Remote Monitoring



Measurement Calculator with Custom Equation - iOS

MultiGage app automatically converts measurement readings based on any equation user enters



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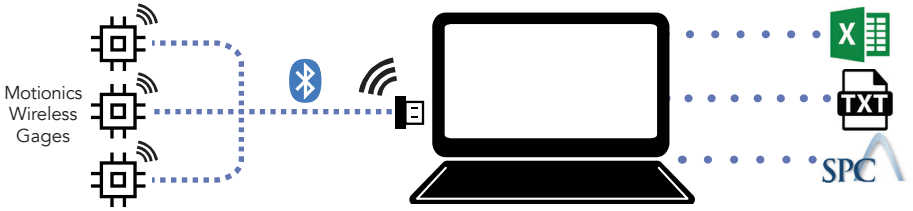
MultiGage Software (Windows)

Wireless Measurement



MultiGage for Windows is a data collection tool for users to wirelessly connect, read, and record readings from Motionics wireless measurement devices on their Windows PC desktop or laptop. The software can simulate keyboard input, allowing data to be directly entered into any software product that accepts keyboard entry, such as Excel, text documents, and most SPC software. You can connect to multiple devices at once, up to 8 per USB dongle.

Multiple device connectivity and simultaneous data collection

Multiple dongles can be added for more devices

Each gage is assigned its individual panel for display and control

Analog probe meter with adjustable range for reading display

Real-time data plotting; can plot multiple sensors, assign sensors to each axis

Options for external hand or foot switch

Continuous data recording and single reading capture options

Multiple continuous recording rates available

Moveable, resizable gage panels to create a unique dashboard

GO/NG judgment with green/red color indication

Peak hold mode for Max, Min, TIR display

Local database for data saving and management

MultiGage is also available with cloud streaming for remote monitoring.
Find out more at motionics.com/multigage-cloud/

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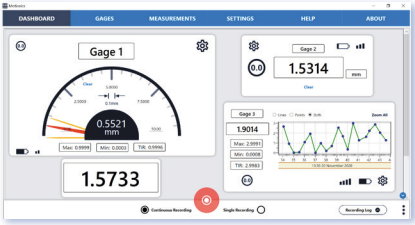
MultiGage Software (Windows)

Wireless Measurement

MultiGage has a variety of features to make wireless measurement reading and recording easy and efficient.

We're always adding new features to MultiGage, both independently and by client request. If there's a feature you would like to implement for your application, you can get in touch with us to discuss details.

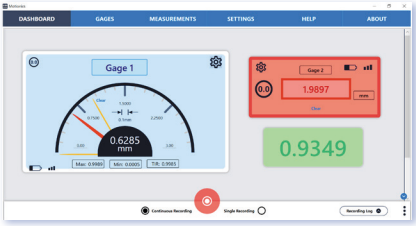
(205) 264-1896 info@motionics.com



Custom Dashboard Panels

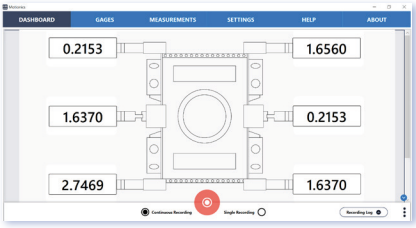
With MultiGage's optional custom dashboard feature, you can create and save totally customizable gage panels and dashboards.

MultiGage on its own allows you to rearrange and resize gage panels on your dashboard, but this feature allows you to do even more.



You can add, remove, resize, and rearrange each individual component of a gage panel, such as the reading display, analog probe meter, battery/signal displays, clear, zero, and settings buttons, reading plots, and min, max, and TIR displays.

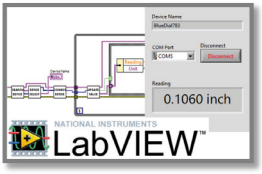
You can also change the style of individual elements on the gage panel and the panel itself by altering their color, border, margin, and corner radius.



You can also set a custom background for your dashboard, such as a drawing or machine photos, to create a more concrete visualization of data collection process and display additional information or context for your gages for easy reading.

These custom dashboard panels allow you to manipulate MultiGages' interface to fit your application exactly. To find out more and enable this feature, feel free to contact us at info@motionics.com.

Reading in LabVIEW



Motionics' Dial Reading VI is available to wirelessly connect and read from Motionics WiMER and BlueDial in LabVIEW on PC. The VI covers all the procedures to search nearby devices, pair, and update readings. Users can freely add more controls for data collection and analysis, customize the VI for a specific application, or integrate it into an existing software.

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Scan to get in touch

Wireless Reading on iOS and Android Devices with MultiGage®

MultiGage Reader is able to connect to multiple Motionics Bluetooth measurement devices (14 on iOS, 8 on Android) and receive readings from all of them at the same time. Each device will be assigned an individual panel to display measurement reading, max, min, and TIR.

MultiGage Reader provides two options for data recording: continuous recording at up to 10 samples/sec, or one-by-one capturing through button tapping. Recorded data can be plotted in a user-interaction-enabled graph, saved in a database, and exported as a CSV file for further assessment.

Additionally, there are many more innovative features in the app, such as analog probe meter, cloud data streaming, custom calculator, and so on, to make measurement faster and easier.

Features:

- Simultaneous reading of multiple devices
- Data plotting on iPhone/iPad/Android
- Continuous or single data point recording
- Max, Min, TIR measurement
- Remote zeroing from the app
- GO/NG judgment with green/red color indication
- Real-time cloud data streaming worldwide (iOS only)
- Custom formula calculator (iOS only)
- Large analog probe meter with adjustable range
- Data saving in local database
- Data export in CSV via email and cloud drives
- Apple Watch support

MultiGage is also available with cloud streaming for remote monitoring.
Find out more at motionics.com/multigage-cloud/

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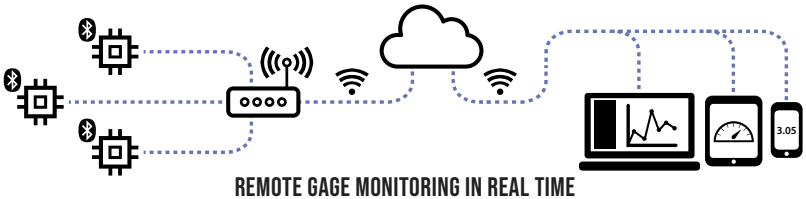

REMOTE GAGE MONITORING IN REAL TIME

Motionics' MultiGage Cloud browser-based platform connects Bluetooth wireless sensors to the Internet, allowing real-world data tracking from anywhere. MultiGage Cloud is the ultimate industrial remote monitoring solution.

By connecting Bluetooth gages to a MultiGage Cloud Gateway, you can view real-time readings from anywhere by logging onto the MultiGage Cloud portal on any web browser.

AUTOMATIC DATA RECORDING
Adjust data transmission rate in the application

MULTI-SENSOR CONNECTIVITY
Connect to multiple sensors, sensor types at once

DATA EXPORT
Export data as a CSV

SMART ALERTS AND NOTIFICATIONS
SMS and email

MONITOR ASSETS AT DIFFERENT LOCATIONS
Connect to multiple gateways at once

MULTI-USER ACCESS
Manage user permissions

CUSTOMIZABLE DISPLAY
Customize readouts with rear-rangeable, resizeable widgets

DATABASE INTEGRATION
Call function to read data from other platforms

AVAILABLE FOR ANY DEVICE
iOS, Android, Windows, & Mac. Use any browser with no installation.

REMOTE SYSTEM UPDATES
Over-the-air gateway and firmware updates

LAN, WIFI, & LTE CONNECTIVITY
Various Internet connection options for gateway

REMOTE SENSOR CONTROLS
Scan, connect, and disconnect remotely

ONE GATEWAY, INFINITE POSSIBILITIES.

MultiGage Cloud can connect to a variety of different wireless sensors. If you're not sure that your sensor or application is compatible with MultiGage, be sure to get in touch and we can find the right remote monitoring solution for you!

CONTACT US

OR GO TO WWW.MOTIONICS.COM/CLOUD TO FIND OUT MORE!

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MultiGage

Multiple Wireless Measurement Devices Reader

iPhone/iPad/Apple Watch

MultiGage Reader is an app developed for users to simultaneously connect and read from multiple Motionics wireless measurement devices on an iOS device.

MultiGage

Multiple Wireless Measurement Devices Reader

Android

MultiGage Reader is an app developed for users to simultaneously connect and read from multiple Motionics wireless measurement devices on an Android device.

MultiGage

Multiple Wireless Measurement Devices Reader

Windows

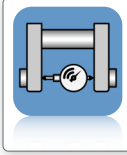
MultiGage Reader is a Windows application developed for users to simultaneously connect and read from multiple Motionics wireless measurement devices on a Windows PC.

MultiGage Cloud

Remote Monitoring of Multiple Measurement Devices

Internet Browser

MultiGage Cloud is a browser-based remote monitoring application developed for users to simultaneously connect and read from multiple Motionics wireless measurement devices.

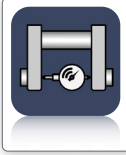


Crankshaft Test

Tool for Crankshaft Deflection Tests with Wireless Sensor

iPad

This app works with our Wireless Crankshaft Deflection Test package to wirelessly capture sensor readings at 5 testing positions on the crankshaft and automatically calculates vertical and horizontal deflection.



Crankshaft Test

Tool for Crankshaft Deflection Tests with Wireless Sensor

Windows

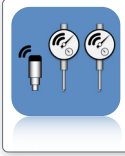
This software works with our Wireless Crankshaft Deflection Test package to wirelessly capture sensor readings at 5 testing positions on the crankshaft and automatically calculates vertical and horizontal deflection.

Runout

Inspecting rotor runout on iPad with Motionics Wireless Runout Kit

iPad

Runout works with our Wireless Runout Kit, synchronizes displacement and angle measurements, and provides a convenient tool to inspect rotor runout on iPad.



Pile Load Test

Pile Load Test with Wireless Deflection and Load Gages

iPad

This app records deflection and pressure during pile load tests using our wireless indicator and pressure sensor.

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Software Applications
Vibration, Balancing, & Alignment

iVibraMeter
Real-Time Overall Vibration Measurements and Severity Judgement

iPad & DAQ System

iVibra Meter provides real-time overall vibration measurements and severity judgment based on different standards, using the iPad with our DAQ system.

Vibra Test Pro
Real-Time vibration analysis on iPhone/iPad with DAQ input

iPhone & DAQ System

Vibra Test Pro is an iOS vibration analysis tool featuring ISO 10816 vibration meter, FFT spectrum viewer, raw signal recorder and test data manager.

Vibra Test
Vibration Severity Test of Rotating Machinery Based on ISO 10816-03

iPhone/iPad

Vibra Test is an iSO 10816 based vibration meter to conduct vibration severity tests on rotating machinery.

VibraPad
Real-Time Vibration Analysis & Training App

iPad & DAQ System

VibraPad is a vibration analysis tool, specially designed for determining the most common vibration frequencies of machine faults.

VibeSpectra
A Reference Guide for Vibration Analysis

iPhone/iPad/iPod Touch/Android

VibeSpectra is a reference guide for rotating machinery predictive maintenance, including spectra for various machine faults.

VibraCalc
Vibration Frequencies Calculations of Rotating Machinery

iPhone/iPad

Vibra Calc calculates vibration frequencies of induction motors, gears, rolling element bearings, pumps, fans, journal bearings, and belts.

VibraUnits
Vibration Units Conversion Application

iPhone/iPad/iPod Touch

VibraUnits is a vibration units conversion calculator. It converts typical vibration amplitude and frequency units.

REBvibe
Calculates Rolling Element Bearings' Fundamental Frequencies

iPhone/iPad/iPod Touch

REBvibe calculates vibration fundamental frequencies of roller element bearings from its geometry or model.

VibeSenseRB
Single-Plane & Two-Plane Rotor Balancing with Wireless Sensor

iPad & Wireless Sensor

VibeSenseRB connects to VibeSense wireless rotor balancer and guides user to perform single-plane & two-plane rotor balancing.

Shale Shaker
Real-Time shale shaker vibration test tool

iPad & DAQ System

Shale Shaker analyzes the vibration and motion of an industrial shale shaker.

MotorVibe
Real-Time Overall Vibration Measurements and Severity Judgement

iPad & DAQ System

Motor Vibration is custom made for Siemens to conduct vibration tests.

SummitVibe
Real-Time Overall Vibration Measurement and Severity Judgement

iPad & DAQ System

Summit Vibe is custom-made for Summit to conduct vibration tests.

BalanceVision
A Tool that Uses the Camera to Find the Angular Positions on a Rotor During Balancing

iPhone/iPad/iPod Touch

BalanceVision is designed to use a camera to help the user locate angular positions on a rotor in balancing procedures.

iRotorBalancer
Single-Plane & Two-Plane Real-Time Rotor Balancing App

iPad & DAQ System

iRotorBalance uses different methods for calculating the correction weights for rotor balancing in single-plane or 2-planes.

iRotorBalance
Application for Rotor Balancing Calculations

iPhone/iPad/iPod Touch

iRotorBalance is a technical tool for calculating the correction weights for rotating machinery balancing in a single plane or two planes.

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ThreadKing

The Ultimate Reference and Calculator for Threads, Drills, & Taps

iPhone/Android

ThreadKing provides all the information for Metric/UN taps, Course/Fine threads, thread dimensions, drill sizes for cutting/forming taps, and much more.

GCoderOD

A Handy Tool to Generate CNC G-Code for Various Machining Processes

iPhone/iPad/Android

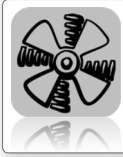
GCoder is a handy tool to generate CNC G-Code for various OD & ID machining processes.

4Machining

Machinist Calculator & Reference Tool for Drilling, Milling, & Turning

iPhone/iPod Touch

4Machining is a quick machining reference tool, providing turning/milling/drilling speed & feed calculation, thread and drill size charts, and CNC G&M codes to machinists.



Strobe Light

A Tool that Turns an iPhone into a Strobe Light to Measure Machine RPM

iPhone

Strobe Light makes your iPhone a strobe light tachometer to measure the speed of rotating machines.

iGearBox

Training and Learning Tool for Regular and Planetary Gearboxes

iPhone/iPad/iPod Touch

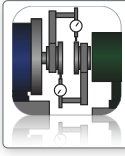
iGearbox is the ideal tool for training and learning the basics of regular and planetary gearboxes. It also calculates gear ratio and gear speeds.

iWindTurbine

Training and Learning Tool for Regular and Planetary Gearboxes

iPhone/iPad/iPod Touch

iWindTurbine calculates the estimated output power of wind turbines, based on its geometry and basic wind parameters.



iAlignCalc

Application to Calculate Machine Shaft Alignment Corrections

iPhone/iPad/iPod Touch

iAlignCalc is for machine shaft alignment, including several alignment methods and a thermal growth calculator.

iAlignTest

An Interaction Reference Tool for Machine Shaft Alignment

iPhone/iPad/iPod Touch

iAlignTest provides common reference tables, specifications and charts for shaft alignment tolerance.

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BlueDial

Digital Dial Indicator With Integrated Bluetooth Low Energy Transmitter

BlueDial

Comparison Table

	BlueDial		BlueDial-LT					
Product ID	 **BD10-783**	 **BD10-793**	 **BDLT-102**	 **BDLT-103**	 **BDLT-202**	 **BDLT-203**	 **BDLT-302**	 **BDLT-402**
Specifications								
Measurement Range	0.5″ 12.7mm				1″ 25mm		2″ 50mm	4″ 100mm
Resolution	0.0005″ 0.01mm	0.0001″ 0.001mm	0.0005″ 0.01mm	0.00005″ 0.001mm	0.0005″ 0.01mm	0.00005″ 0.001mm	0.0005″ 0.01mm	
Accuracy	0.0008 in	0.00012 in	±0.001 in	±0.0002 in	±0.001 in	±0.0002 in	0.001 in	
Wireless Data Rate	10 samples/sec		8 samples/sec				10 samples/sec	
Transmission Range	20 m (indoors)/ 30 m (outdoors)							
Stem Size	3/8″		8 mm				3/8″	
Tip Thread	4-48UNF		M2.5				4-48UNF	
Battery	Rechargable							
Battery life	60 hours		50 hours					
Mounting Options	Stem*							Stem/Back lug
Hardware								
Dial Indicator	***Mitutoyo 543-793***		***Motionics Dial***					
Bluetooth Transmitter	On back							Top-mounted
USB Charging Kit	✓	✓	✓	✓	✓	✓	✓	✓
Software								
iOS iPhone/iPad/Apple Watch	✓	✓	✓	✓	✓	✓	✓	✓
Android 4.3 and after	✓	✓	✓	✓	✓	✓	✓	✓
Windows PC**	✓	✓	✓	✓	✓	✓	✓	✓
MultiGage Cloud	✓	✓	✓	✓	✓	✓	✓	✓
LabVIEW** Customizable	✓	✓	–	–	–	–	–	–
Optional Accessories***								
BLE USB Dongle	✓	✓	✓	✓	✓	✓	✓	✓
Pelican Case 1010	✓	✓	✓	✓	–	–	–	–
Pelican Case 1040	✓	✓	✓	✓	✓	✓	–	–
Pelican Case 1120	✓	✓	✓	✓	✓	✓	–	–
Mitutoyo 7033B Base	✓	✓	✓	✓	✓	✓	✓	✓
NOGA DG61003 Base	✓	✓	✓	✓	✓	✓	✓	✓
Extension Rod 4-48UNF 1-6″ one each	✓	✓	–	–	–	–	✓	✓

* Back lug mounting available upon request

** Requires BLE USB dongle

***Purchase separately; refer to Accessories page for additional information

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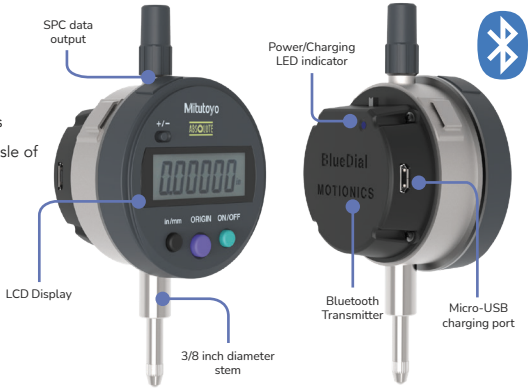
BlueDial

Bluetooth Dial Indicator

BlueDial is a Mitutoyo indicator with an integrated Bluetooth transmitter on the back. Not only does BlueDial maintain high-accuracy measurement from Mitutoyo, but it also brings the convenience of wireless communication. It's a new solution to get rid of the hassle of wires/cables and improves efficiency and safety in deflection measurement applications.



Features:

- Integrated Bluetooth Low Energy technology
- Multiple platform support (iOS, Android, PC and LabVIEW)
- Continuous and single mode data recording
- Rechargeable battery (60-hour life with a single charge)
- Multiple-device connectivity
- Remote cloud monitoring with MultiGage Cloud**

Bluetooth Low Energy | Rechargeable | Multi-platform software capability | Multi-gage capability | Continuous recording and plotting | Data saving | Remote cloud monitoring**

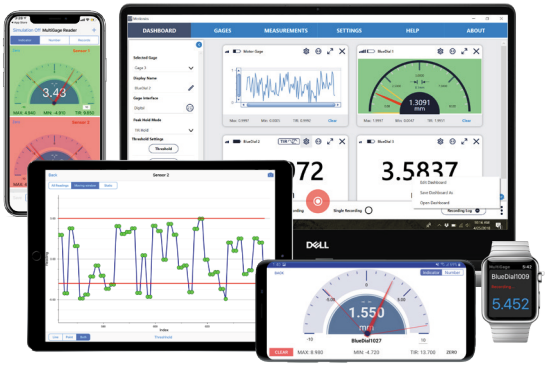
Model	BD10-783	BD10-793
Measurement Range	.5 in/12.7 mm	
Resolution	0.0005 in/0.01 mm	0.0001 in/0.001 mm
Accuracy	0.0008 in	0.00012 in
Wireless Data Rate	10 Hz	
Transmission Range	20 m (indoors)/30 m (outdoors)	
Working Temperature	0 - 50°C	
Rechargeable Battery	400 mAh	
Battery Life	60 hrs	
Charging	5 VDC USB	

More Features with FREE MultiGage Software*

- Simultaneous reading of multiple devices
- Data plotting on iPhone/iPad/Android
- Continuous or single data point recording
- Max, Min, TIR measurement
- Remote zeroing from the app
- GO/NG judgment with green/red color indication
- Custom formula calculator
- Large analog probe meter with adjustable range
- Data saving in local database
- Data export in CSV via email and cloud drives
- Keyboard entry to Excel or SPC software on PC
- Apple Watch support

**MultiGage Cloud

Users can view and record readings from anywhere with our browser-based remote monitoring platform, MultiGage Cloud. Create custom dashboards, set alerts, receive notifications, and record readings remotely by connecting gauges wirelessly to our Cloud gateway. Connect up to an unlimited amount of sensors at once. MultiGage Cloud is a paid platform.



*Availability of features varies between apps/platforms.

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BlueDial LT

BlueTooth Dial Indicator Lite

BlueDial-LT is a dial indicator with integrated Bluetooth transmitter on the back. It integrates a high-accuracy dial indicator with Bluetooth Low Energy data transmitter. All the readings from one or multiple BlueDial-LTs will be wirelessly collected and displayed on a smart device or PC.

Features:

- Integrated Bluetooth Low Energy technology
- Multiple platform support (iOS, Android, PC)
- Continuous and single data recording
- Rechargeable battery (50-hour life with a single charge)
- Multiple-device connectivity

Bluetooth Low Energy | Rechargeable | Various range options | Multi-platform software capability | Multi-gage capability | Continuous recording and plotting | Data saving | Remote cloud monitoring**

Model	BDLT-102	BDLT-103	BDLT-202	BDLT-203	BDLT-302	BDLT-402*
Measurement Range	.5 in/12.7 mm		1 in/25.4 mm		2 in/50.8 mm	4 in/101.6 mm
Resolution	0.0005 in/ 0.01 mm	0.00005 in/ 0.001 mm	0.0005 in/ 0.01 mm	0.00005 in/ 0.001 mm	0.0005 in/ 0.01 mm	0.0005 in/ 0.01 mm
Accuracy	±0.001 in	±0.0002 in	±0.001 in	± 0.0002 in	±0.001 in	±0.001 in
Wireless Data Rate	8 Hz					
Transmission Range	20 m (indoors)/30 m (outdoors)					
Working Temperature	0 - 40°C					
Rechargeable Battery	400 mAh					
Battery Life	50 hrs					
Charging	5 VDC USB					

More Features with FREE MultiGage Software*

- Simultaneous reading of multiple devices
- Data plotting on iPhone/iPad/Android
- Continuous or single data point recording
- Max, Min, TIR measurement
- Remote zeroing from the app
- GO/NG judgment with green/red color indication
- Custom formula calculator
- Large analog probe meter with adjustable range
- Data saving in local database
- Data export in CSV via email and cloud drives
- Keyboard entry to Excel or SPC software on PC
- Apple Watch support

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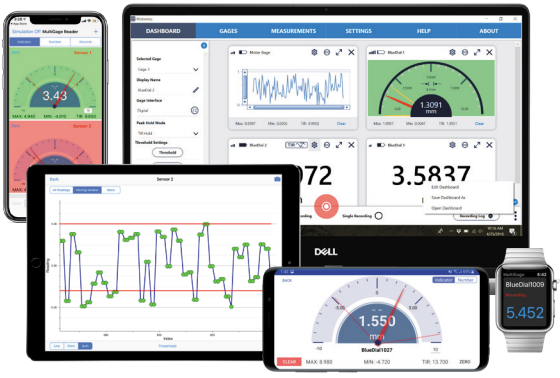
Users can view and record readings from anywhere with our browser-based remote monitoring platform, MultiGage Cloud. Create custom dashboards, set alerts, receive notifications, and record readings remotely by connecting gauges wirelessly to our Cloud gateway. Connect up to an unlimited amount of sensors at once. MultiGage Cloud is a paid platform.



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WiMER

Wireless (Bluetooth Low Energy) Transmitter For Wireless Measurement Gages

WiMER Comparison Table

Product ID	WiMER1	WiMER2	WiMER3	WiMER4A	WiMER4D	WiMER5	WiMER6	WiMER7	WiMER8	WiMER9
										
	W1	W2	W3	W4A	W4D	W5	W6	W7	W8	W9
Compatibility	**Mitutoyo** Instruments	**Fowler** Instruments	**Mitutoyo** Linear Gages LVDT	**Mitutoyo** Digital Protractor 950-318	**Mitutoyo** Digital Protractor 950-318	**Encoders** Optical/Magnetic Linear/Rotary	**AC LVDT**	**Thermometers**	**Tachometers**	**Load Cells**
Specifications										
Dimensions	2.50 x 1.63 x 0.80 in		4.09 x 2.20 x 0.91 in	2.50 x 1630 x 0.80 in	1.97 x 0.98 x 0.61 in	4.09 x 2.20 x 0.91 in				
Data Transmission	Bluetooth Low Energy									
Wireless Data Rate	10 samples/sec		30 samples/sec	2 samples/sec		30 samples/sec		2 samples/sec		
Capturing Mode	Single/Continuous									
Transmission Range	20 m (indoors)/ 30 m (outdoors)									
Working Temperature	0-50 °C									
Battery	Rechargeable 400 mAh		Rechargeable 3200 mAh	Rechargeable 400 mAh	Powered by battery in protractor 9V	Rechargeable 3200 mAh				
Battery Life	60 hours	20 hours	30 hours		120 hours	30 hours (depending on encoder)	15 hours	30 hours		
Hardware										
Data Cable	Optional	Optional	Not needed	✓	Not needed	Not needed	Not needed	✓	✓	✓
Data Trigger Switch	✓	✓	–	✓	–	–	–	✓	✓	✓
Foot Switch Connector Port (2.5mm)	✓	✓	–	✓	–	–	–	–	–	–
USB Charging Kit	✓	✓	✓	✓	–	✓	✓	✓	✓	✓
BLE USB Dongle	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Compatible Instruments	**Caliper Series** 500, 551, 552, 573 **Height Gage Series** 192, 570, 574 **Micrometer Series** 277, 293, 314, 317, 323, 324, 326, 331, 342, 343, 369, 389, 395, 406, 422 **Caliper Series** 573 **Dial Indicator Series** 543 with SPC output **Dial Indicator Series** 575 **Thickness Gage Series** 546 **Digimatic Caliper Gage Series** 209 **And more**	**Micrometer** 54-815-xxx **Micrometer** 54-866-xxx **Micrometer** 54-870-xxx **Caliper** 54-100-xxx with data output **Caliper** 54-110-xxx **Dial Indicator** 54-530-xxx **Test Indicator** 54-562-xxx **And more**	**Linear Gage:** 542-156, 157, 158, 161, 162, 163, 164, 165, 166, 171, 172, 173, 174, 175, 176 **Linear Gage:** 542-181, 182, 204, 222, 223, 224, 230, 244, 262, 264, 270, 401, 421, 612, 613 **And more**	**Digital Protractor:** Mitutoyo 950-318 PRO 360, PRO 3600	**Digital Protractor:** Mitutoyo 950-318 PRO 360, PRO 3600	**Optical & magnetic encoders with 90° phase shift, differential square wave, RS422 (TTL) output**	**AC LVDT Gages** (Linear variable differential transformers)	**Digital Thermometer:** Alpha Technics 5400/5000 Thermometer	**Tachometer:** DT-2100 Tachometer	**Tachometer:** DT-2100 Tachometer
Free Software										
iOS iPhone/iPad/ Apple Watch	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Android 4.3 and after	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Windows PC*	✓	✓	✓	✓	✓	✓	✓	✓	✓	
MultiGage Cloud Browser-based	✓	✓	✓	✓	✓	✓	✓	✓	✓	
LabVIEW* Customizable	✓	✓	✓	✓	✓	✓	✓	✓	✓	

* Requires BLE USB dongle

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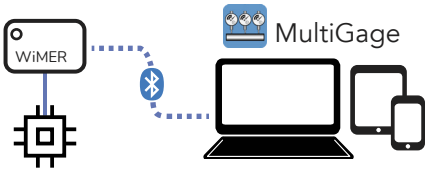
WiMER
Wireless Measurement Read

Motionics' Wireless Measurement Read (WiMER) units are wireless transmitters that connect to various measurement devices and communicate with your iPhone/iPad/Android/PC via Bluetooth Low Energy, allowing users to view and record measurement readings directly on the screen of smart devices/PCs.

WiMER can connect to a variety of devices, depending on the model. If you have a different device that isn't listed below, you can contact us for customization options.



WiMER transmitters and our free MultiGage software are compatible with Windows, iOS, and Android devices.

Bluetooth Low Energy

Rechargeable

Multi-platform software capability

Multi-gage capability

Continuous recording and plotting

Data saving

WiMER1
for Mitutoyo/Mahr instruments

WiMER1 connects to Mitutoyo/Mahr instruments with SPC output, such as dial indicators, calipers, etc. It has a rechargeable battery, comes with a small data trigger hand switch, and has a 2.5 mm standard port to connect to a foot switch.

Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Dimensions	2.50 x 1.63 x 0.80 in
Working Temperature	0 - 50 °C
Battery	400 mAh, 60 hr life

WiMER2
for Fowler/Sylvac instruments

WiMER2 is the wireless transmitter designed for Fowler/Sylvac users. WiMER2 connects to and powers 54-815/866/870 micrometers, 54-100 /110 calipers, 4-530/562 digital Indicators, and more. Includes a data trigger and a port to connect to a foot switch.

Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Dimensions	2.50 x 1.63 x 0.80 in
Working Temperature	0 - 50 °C
Battery	400 mAh, 60 hr life

WiMER3
for Mitutoyo linear gauges

WiMER3 is developed for Mitutoyo linear gages with 90° phase difference, differential square wave output. It has a rechargeable battery, and is compatible with linear gages 542-156, 161, 162, 171, 181, 204, 222, 230, 244, 262, 270, 401, 421, 612, and more.

Wireless Data Rate	30 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Dimensions	4.09 x 2.20 x 0.91 in
Working Temperature	0 - 50 °C
Battery	3200 mAh, 30 hr life

WiMER4A
for Mitutoyo 950-318 digital protractors

WiMER4A is the rechargeable wireless transmitter for the gravity electronic sensor-based digital protractor Mitutoyo 950-318 (Pro3600). The protractor features full 0-360° measurement and a machined aluminum frame with an easy-to-read liquid crystal display.

Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Dimensions	2.50 x 1.63 x 0.80 in
Working Temperature	0 - 50 °C
Battery	400 mAh, 20 hr life

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WiMER4D

for Mitutoyo 950-318 digital protractors

WiMER4D is the wireless transmitter dongle for the gravity electronic sensor-based digital protractor Mitutoyo 950-318 (Pro3600), which features full 0-360° measurement on an an easy-to-read liquid crystal display. WiMER4D is powered by the protractor; no external power is needed.

Wireless Data Rate	2 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Dimensions	1.97 x 0.98 x 0.61 in
Working Temperature	0 - 50 °C
Battery	Powered by 9V battery in protractor; 120 hr life

WiMER5

for optical and magnetic encoders

WiMER5 is a universal transmitter for optical and magnetic encoders with 90° phase shift, differential square wave, RS422 (TTL) output. WiMER5 provides a 5V power supply to the connected encoder and accurately interprets A & B quadrature signals with high-speed counter onboard.

Wireless Data Rate	30 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Dimensions	4.09 x 2.20 x 0.91 in
Working Temperature	0 - 50 °C
Battery	3200 mAh, 30 hr life

WiMER6

for AC linear variable differential transducers (LVDTs)

WiMER6 is a signal conditioner/ transmitter for AC linear variable differential transducers (LVDTs). It contains a low-distortion sine wave oscillator to generate steady excitation signals to drive the LVDT primary. LVDT secondary outputs are converted to a stable DC voltage onboard and sampled by a 16-bit ADC.

Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Dimensions	2.50 x 1.63 x 0.80 in
Working Temperature	0 - 50 °C
Battery	400 mAh, 60 hr life

WiMER7

for Series 5000 and 5400 temperature probes

WiMER7 is a wireless transmitter for Series 5000 and 5400 temperature probes with USB output.Using Bluetooth Low Energy technology, users can read and record temperature measurements remotely.

Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Dimensions	2.50 x 1.63 x 0.80 in
Working Temperature	0 - 50 °C
Battery	400 mAh, 60 hr life

WiMER8

for DT-2100 digital tachometers

WiMER8 is a wireless transmitter for DT-2100 digital tachometers with USB output. WiMER8 can also provide power to the connected device, so you don't need an external power supply.

Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Dimensions	2.50 x 1.63 x 0.80 in
Working Temperature	0 - 50 °C
Battery	400 mAh, 60 hr life

WiMER9

for tension/compression load cells

WiMER9 is a wireless transmitter for tension/compression load cells. WiMER9 can also provide power to the connected device, so you don't need an external power supply. It has a rechargeable 400mAh battery and comes with charging accessories.

Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Dimensions	2.50 x 1.63 x 0.80 in
Working Temperature	0 - 50 °C
Battery	400 mAh, 60 hr life

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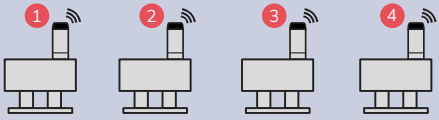
BluePSI

Bluetooth Pressure Sensor

BluePSI is a wireless pressure sensor used for measurement of liquid or gas pressure, as well as temperature measurement. These Bluetooth-enabled pressure sensors, with the help of our free software, allow you to continuously monitor pressure in multiple locations simultaneously on your iOS, Android, or Windows device. Along withstreaming real-time readings, some models log data internally. BluePSI has high resolution (24-bit ADC), high accuracy (±0.25%FS), a long battery life (up to 2 years with a coin battery) and is IP67 rated for high resistance to water and dust exposure. Most importantly, it eliminates the need for hard wiring and manual data logging thanks to its Bluetooth 4.0 wireless connectivity. With our app/software on iOS/Android smart devices and Windows PCs, users can continuously monitor pressure conditions at multiple locations at once.

Bluetooth Low Energy | Long battery life | IP Rating IP67 | Replacable coin battery | Temperature sensor | Onboard data logger | Multi-platform software capability | Multi-gage capability | Continuous recording and plotting | Data saving | Remote cloud monitoring**



Pressure readings from multiple BluePSI sensors are transmitted to a PC or smart device simultaneously via Bluetooth Low Energy.

BluePSI	BPXXX	BP2-XXX-01	BP2-XXX-02
Pressure Msmt Range	30-15,000 psi	100-10,000 psi	
Pressure Accuracy	±0.25% FS		
Proof Pressure	2x msmt range (20,000 psi max)		
Burst Pressure	5x msmt range (20,000 psi max)		
Temperature Msmt Range	N/A	0-55°C	
Temperature Accuracy	N/A	±3°C	
Transmission Range	Up to 20 m		
Wireless Data Rate	5 sec/sample (adjustable up to 10 samples/sec*)		
Weather Proof	IP67		
Working Temperature	-20 - 85 °C		
Battery Life	2 years at 5 second interval w/CR2050		
Battery Type	CR2050/CR2032		
Pressure Port	¼-18NPT (¼-19BSPT for bar models)		
Data Logging	No		Yes
Real-Time Readings	Yes		

* Higher data rate could reduce battery life

More Features with FREE MultiGage Software*

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**Availability of features varies between apps/platforms.

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BlueDial Flat

Bluetooth Dial Indicator

BlueDial Flat is a series of high-accuracy digital indicators with a built-in Bluetooth Low Energy transmitter. It operates on a single CR2032 battery and comes in three models to cover different measurement ranges and resolutions.

BlueDial Flat sends readings to iPhone/iPad/Android without the hassle of data cables, making data reading fast, safe, and error-free, especially in hard-to-reach places. Data can be remotely viewed in a large digital readout or an analog probe meter on a mobile device.

Features

- Built-in Bluetooth Low Energy, no external transmitter needed
- Multiple platform support (iOS, Apple Watch, Android)
- Operates on one single CR2032 battery
- Offers both stem and back lug mounting options

Integrated Bluetooth Low Energy

Various range and resolution options

Multi-platform software capability

Full-screen digital and analog display

Adjustable data rate

BlueDial Flat	BDF-102	BDF-103	BDF-202
Measurement Range	0.5 in/12.7 mm	0.5 in/12.7 mm	1 in/25.4 mm
Resolution	0.0005 in/0.01 mm	0.00005 in/0.001 mm	0.0005 in/0.01 mm
Accuracy	± 0.001 in/0.02 mm	± 0.0002 in/0.004 mm	± 0.001 in/0.02 mm
Transmission Range	Up to 5m		
Data Update Rate	1 sample/sec		
Working Temperature	0 - 40 °C		
Battery	CR2032		
Battery Life	3 months (w/Bluetooth off) / 24hrs (w/Bluetooth on)		
Mounting Options	Both stem and back lug		

More Features with FREE MultiGage Software*

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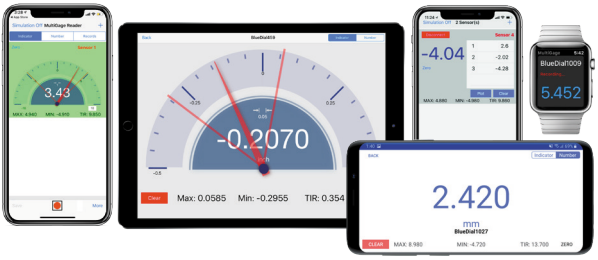
- Data plotting on iPhone/iPad/Android
- Max, Min, TIR measurement
- Remote zeroing from the app
- GO/NG judgment with green/red color indication
- Custom formula calculator
- Adjustable data rates
- Large analog probe meter with adjustable range
- Apple Watch support



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WLRF
Wireless Laser Rangefinder

Wireless Laser Rangefinder (WLRF) is capable of quickly and accurately identifying the distance to a target up to 200 m away. With a built-in Bluetooth Low Energy transmitter, laser measurement readings can be wirelessly viewed and collected on iPhone, iPad, Android and Windows devices.

There is an inclinometer embedded inside WLRF to monitor device tilt angle simultaneously with laser distance measurement, facilitating applications that require intersection scanning.

WLRF has a standard ¼-20 thread mounting hole to allow the user to easily mount the device on a common tripod for quick and steady setup.

Features:

- Built-in Bluetooth Low Energy technology
- Power supply, signal conditioning and data transmission all in one
- 100% cable free
- Rechargeable battery

Bluetooth Low Energy

Rechargeable

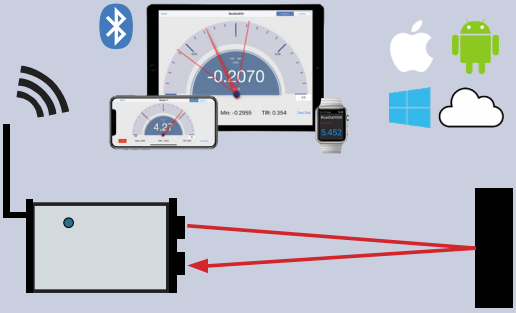
200m
Long-range laser measurement

Multi-platform software capability

Multi-gage capability

Continuous recording and plotting

Remote cloud monitoring**



WLRF	Specification
Measurement Range	0.2 to 125 m (18% reflectivity); 0.2 to 200m (80% reflectivity)
Resolution	1 cm
Accuracy	10 cm
Laser Class	Class 1
Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Working Temperature	0 - 50 °C
Rechargeable Battery	3200 mAh
Battery Life	30 hrs
Dimensions	120 x 78 x 43 mm
Weight	300g

More Features with FREE MultiGage Software*

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- Apple Watch support

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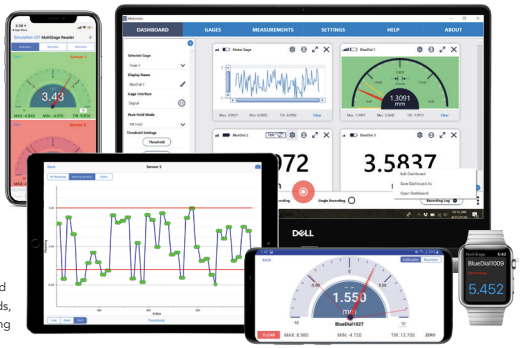

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Wireless Load Gage

Motionics' wireless force gauge combines a high-strength industrial force gauge with the safety and convenience of Bluetooth Low Energy technology.

You can connect this gauge to your iOS, Android, or PC device with our free software, MultiGage, and read and record measurements remotely. This takes you out of hazardous, hard-to-reach locations when taking force measurements.

Our wide range of models allows for use in variety of force measurement applications (tension load cells, compression load cells, and dynamometers) and resolution, accuracy, and capacity requirements. With a heavy-duty, IP67-rated outer shell and an incredibly high weight-to-strength ratio, this force gauge is suitable for even the harshest environments.

Bluetooth Low Energy

Long battery life

Multi-platform software capability

Multi-gage capability

Continuous recording and plotting

Data saving

Remote cloud monitoring**

	WLG-D1	WLG-C1	WLG-T1
Capacity	6.5te/14,300lb	5-1,000te (depends on model)	1000kg-500te (depends on model)
Resolution	0.001te/2lb	0.001-0.5te (depends on model)	0.5kg-0.1te (depends on model)
Accuracy	+/- 0.2% of full scale	±0.1% full scale	±0.1% full scale
Wireless Data Rate	10Hz	10 Hz	10 Hz
Transmission Range	100m/328ft	100m/328ft	100m/328ft
Working Temperature	-10°C - 50°C	-10°C - 50°C	-10°C - 50°C
IP Rating	IP67	IP67	IP67
Battery	4x AA	4x AA	4x AA
Battery Life	500hr	500hr	500hr

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Wireless Bore Gauge Set

Motionics Wireless Bore Gauge Set combines a Bluetooth dial indicator BlueDial/BlueDial-LT with a high-quality bore gauge set to minimize human error and measurement time and increase accuracy.

The wireless BlueDial/BlueDial-LT indicator measures anvil movements and wirelessly transmits readings to a paired mobile device continuously. In our MultiGage Reader app, the user can set the gauge in peak hold mode to automatically capture max/min value in calibration and real measurement. MultiGage also offers a custom calculator feature to let the user create a custom gauge to include a preset value in calculation to directly convert deviation measurement to real ID value. The GO/NG judgment feature can be enabled to directly display accept/reject result based on user-entered limits. The robust bore gauge set utilizes a two-point contact system to detect geometry problems such as ovality and taper, and carbide-tipped contact points offer extended wear and improved abrasion resistance.

Analog gauge | Wireless BlueDial gauge

A wireless BlueDial/BlueDial-LT dial indicator can be added to your existing bore gauge set to make your set a wireless turnkey bore gauge solution.

Features

- Fullscreen digital and analog readout
- Tolerance input option with red/green indicator
- Data recording and saving
- Easy calibration with auto-max and -min detector
- Compatible with both millimeter and inch bore gauge sets

Bluetooth Low Energy | Multi-platform software capability | Full-screen digital/analog display with tolerance | Max/min peak holding | Data saving | Remote cloud monitoring**

Wireless Bore Gauge Set	Specification
Measurement Range	2"- 6"
Resolution	0.0005" (BD10-783, BDLT-102), 0.0001" (BD10-793), 0.00005" (BDLT-103)
Accuracy	0.0008" (BD10-783), 0.00012" (BD10-793), 0.002" (BDLT-102), 0.0004" (BDLT-103)
Wireless Data Transmission Rate	10 Hz (BD10-783, BD10-793), 8 Hz (BDLT-102, BDLT-103)
Wireless Date Transmission Range	up to 20 m (indoors)/30 m (outdoors)
Battery	400 mAh rechargeable
Battery Usage Life	50 hrs

More Features with FREE MultiGage Software*

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- Continuous or single data point recording
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BPRO

Bluetooth Digital Protractor

Motionics BPRO Bluetooth Digital Protractor is an economic digital protractor with built-in Bluetooth Low Energy technology. It covers a whole 360° (4x90°) range with 0.05° resolution and 0.2° accuracy. Thanks to its wireless data transmission feature, protractor readings can be easily read out in real time on the screen of a smartphone/tablet/ Windows PC remotely and from any angle.

BPRO comes in two form factors, as a cube or as a torpedo level, for different applications. Strong magnets on the solid military grade alloy body allow the user to easily attach the protractor to any steel surface for measurement.

Features

- 360° (4x90°) reading range
- Bluetooth Low Energy Technology
- Multiple platform support (iOS, Android, PC)
- Large reading on smart device/PC screen, no more viewing angle issues
- Rechargeable battery

Bluetooth Low Energy | Rechargeable | Full 360° measurement | Multi-gage capability | Continuous recording and plotting | Data saving | Remote cloud monitoring**

Angle Sensor	BPRO-S	BPRO-L
Measurement Range	360° (90° x 4)	
Resolution	0.05°	
Accuracy	0.2°	
Repeatability	0.1°	
Wireless Data Rate	10 Hz	
Transmission Range	20 m (indoors)/30 m (outdoors)	
Dimensions	2.13 x 2.13 x 0.91 in	6 x 2.4 x 1.2 in
Working Temperature	0-50°C	
Battery	400 mAh	
Battery Life	30 hrs	
Charging	5 VDC USB	

More Features with FREE MultiGage Software*

- Simultaneous reading of multiple devices
- Data plotting on iPhone/iPad/Android
- Continuous or single data point recording
- Max, Min, TIR measurement
- Remote zeroing from the app
- GO/NG judgment with green/red color indication
- Custom formula calculator
- Large analog probe meter with adjustable range
- Data saving in local database
- Data export in CSV via email and cloud drives
- Keyboard entry to Excel or SPC software on PC
- Apple Watch support

**MultiGage Cloud

Users can view and record readings from anywhere with our browser-based remote monitoring platform, MultiGage Cloud. Create custom dashboards, set alerts, receive notifications, and record readings remotely by connecting gauges wirelessly to our Cloud gateway. Connect up to an unlimited amount of sensors at once. MultiGage Cloud is a paid platform.

*Availability of features varies between apps/platforms.

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

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Bosch GLM50

Wireless Laser Measure

Bosch GLM50 is a compact pocket size yet highly accurate laser distance measure. It measures distances from up to 165 feet to within 1/8 inch. Thanks to its built-in Bluetooth Low Energy technology, laser measurement readings can be easily picked up wirelessly in Motionics apps/software on iPhone, iPad, Android, and Windows PC. When working together with other measurement devices in applications such as Benkelman tests, GLM50 provides accurate coordinate reference and greatly facilitates the test process.

Features

- Long-range and high-accuracy measurement
- Bluetooth Low Energy Technology
- Multiple platform support (iOS, Android, PC)
- Continuous laser reading
- Data recording, storage, and graphing capabilities

Bluetooth Low Energy

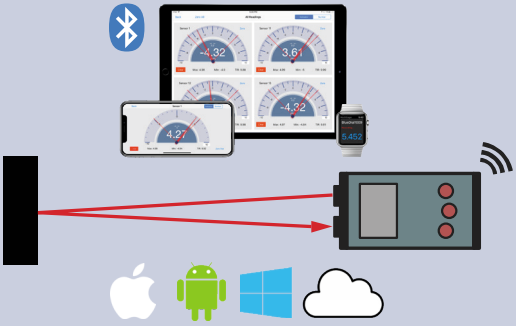
Multi-platform software capability

Multi-gage capability

Continuous recording and plotting

Data saving

Remote cloud monitoring**



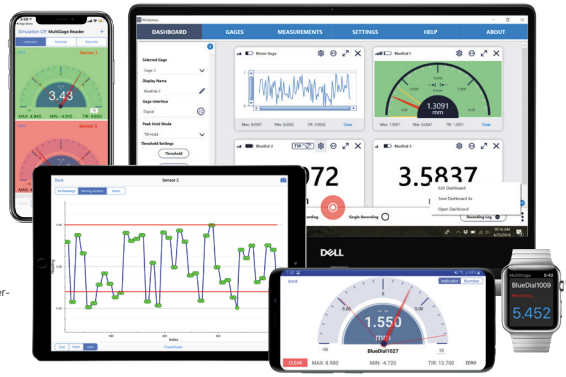
Laser Measure	Specification
Measurement Range	6 in - 165 ft/0.15 - 50 m
Resolution	± 1/32 in/0.5 mm
Accuracy	± 1/16 in/1.5 mm
Wireless Data Rate	2 Hz
Transmission Range	20 m
Dimensions	4.2 x 1.8 x 0.9 in
Working Temperature	-10 - 45 °C
Battery	2x AAA

More Features with FREE MultiGage Software*

- Simultaneous reading of multiple devices
- Data plotting on iPhone/iPad/Android
- Continuous or single data point recording
- Max, Min, TIR measurement
- Remote zeroing from the app
- GO/NG judgment with green/red color indication
- Custom formula calculator
- Large analog probe meter with adjustable range
- Data saving in local database
- Data export in CSV via email and cloud drives
- Keyboard entry to Excel or SPC software on PC
- Apple Watch support

**MultiGage Cloud

Users can view and record readings from anywhere with our browser-based remote monitoring platform, MultiGage Cloud. Create custom dashboards, set alerts, receive notifications, and record readings remotely by connecting gauges wirelessly to our Cloud gateway. Connect up to an unlimited amount of sensors at once. MultiGage Cloud is a paid platform.



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Wireless 2-Axis Precision Digital Level

Digi-Pas DWL-1500XY is a Bluetooth enabled dual-axis precision digital level. Its high resolution (0.001°) and high accuracy (±0.002° for 0 to ±0.5° and ±0.004° for other angles) measuring capability qualifies it for majority of entry level industrial applications. Additionally with its built-in Bluetooth Low Energy feature, user can easily read and capture leveling readings on the screen of an iOS/Android smart device or a Windows PC while adjusting machine's orientation.

Features

- High resolution & high accuracy measurement
- Bluetooth Low Energy Technology
- Multiple platform support (iOS, Android, PC)
- Real-time and continuous reading

Bluetooth Low Energy

Multi-platform software capability

Multi-gage capability

Continuous recording and plotting

Data saving

Remote cloud monitoring**

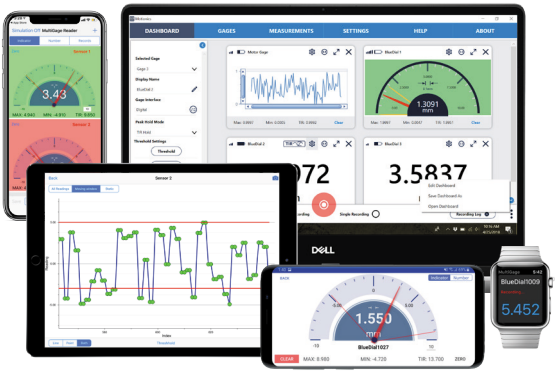
DigiPas Level	Specification
Measurement Range	0 - ±2°
Resolution	0.001°
Accuracy	±0.002° (0-0.5°) ±0.004° (other angles)
Measurement Speed	≤ 5 sec
Transmission Range	15 m
Dimensions	6 x 2 x 1.5 in
Working Temperature	-10 - 50 °C
Battery	2x AA

More Features with FREE MultiGage Software*

- Simultaneous reading of multiple devices
- Data plotting on iPhone/iPad/Android
- Continuous or single data point recording
- Max, Min, TIR measurement
- Remote zeroing from the app
- GO/NG judgment with green/red color indication
- Custom formula calculator
- Large analog probe meter with adjustable range
- Data saving in local database
- Data export in CSV via email and cloud drives
- Keyboard entry to Excel or SPC software on PC
- Apple Watch support

**MultiGage Cloud

Users can view and record readings from anywhere with our browser-based remote monitoring platform, MultiGage Cloud. Create custom dashboards, set alerts, receive notifications, and record readings remotely by connecting gauges wirelessly to our Cloud gateway. Connect up to an unlimited amount of sensors at once. MultiGage Cloud is a paid platform.



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Wireless Crankshaft Deflection Kit

Motionics, LLC

The Wireless Crankshaft Deflection Test Kit utilizes a Bluetooth crankshaft gage for crankshaft web deflection tests. Users can now have deflection data recorded easily and error-free using their iPad or Windows device.

Thanks to the built-in angle measurement, there is no need to mark test points on the crankshaft web again. The Crankshaft Test app will notify users once the crankshaft rotates to test locations. A PDF test report can be generated and stored at the end of each test. This system covers various crankshaft web gaps ranging from 160 to 720 mm with an included extension rod set.

Crankshaft Deflection	Specification
Measurement Range	0.4 in/10 mm
Resolution	0.0001 in/0.001 mm
Accuracy	0.00012 in
Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/ 30 m (outdoors)
Crankshaft Web Gap Range	160-720 mm 145-720mm optional
Working Temperature	0-50°C

Crankshaft Deflection	Specification
Connection	Bluetooth Low Energy
Angle Measurement Resolution	1°
Rechargeable Battery	400 mAh
Battery Life	50 hrs
Charging	5 VDC USB

Bluetooth Low Energy

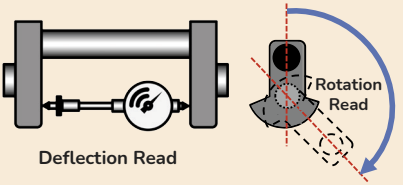
Rechargeable

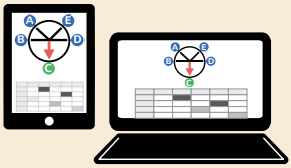
All-in-one gage

Both deflection and rotational measurement

Multi-platform software capability

Data saving





Included in the Package:

- Wireless Crankshaft Gage 1X
- Adjustable Probe 1X
- Extension Rod Set (1/2" to 6" one each) 1X
- 60° Punch 1X
- Protective Carrying Case 1X
- USB Charging Cable 1X
- USB Power Adapter 1X
- Crankshaft Deflection Test app for iPad & Windows

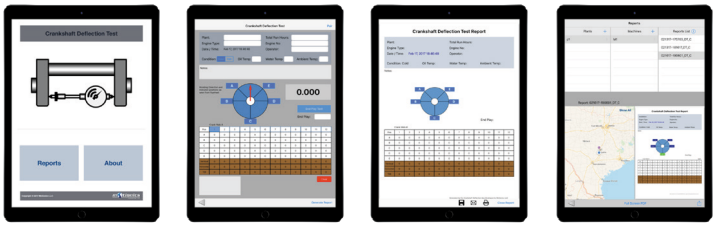
App Features:

- Wireless data recording
- Rotating angle indicator
- Measurement results organized in table
- Automatic test point notification
- Automatic vertical/horizontal deflection calculation
- End play test included
- Test report generation
- Tester signature
- Local report storage manager
- Email report and wireless printing

For iPad For Windows

Download on the App Store

Windows



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Wireless Pile Load Test Kit

Wireless Pile Load Test Kit measures pile deflection under different load conditions with multiple (up to 6) Bluetooth dial indicators, BlueDials, and either a Bluetooth pressure sensor, BluePSI, or a Bluetooth force gauge, BlueForce, on iPad.

The BlueDials measure pile movements during load application, and the BluePSI/BlueForce monitors load change. With a variety of sensors and models, you can measure hydraulic pressure, tension, or compression when measuring load change.

The app runs on iPad and pairs with the gages. Readings from all wireless gages are synced, updated and logged in the app.

BluePSI	Specification
Measurement Range	5K, 15Kpsi (more options available)
Accuracy	0.25% of full scale
Data Transmission Interval	5s (adjustable)
Transmission Range	Up to 20 m
Working Temperature	-20 - 85°C
Battery Life	2 yrs at 5s interval w/CR2050
Pressure Port	¼-18 NPT (more options available)

BluePSI	Specification
Capacity	Depends on model
Resolution	Depends on model
Accuracy	0.2% of full scale (WLG-D1) (0.1% for WLG-C1, T1)
Wireless Data Rate	10 Hz
Transmission Range	100m/328ft
Working Temperature	-10°C - 50°C
IP Rating	IP67
Battery	4x AA, 500hrs

BlueDial	Specification
Measurement Range	2 in/50 mm (more options available)
Resolution	0.0005 in/0.01 mm
Accuracy	0.001 in
Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Working Temperature	0-50°C
Bluetooth Battery Life	50 hrs (rechargeable)

NOTE: Wireless Pile Load Test Kit can be customized with different pressure or BlueDial gages. Please contact us for details.

Bluetooth Low Energy

Rechargeable

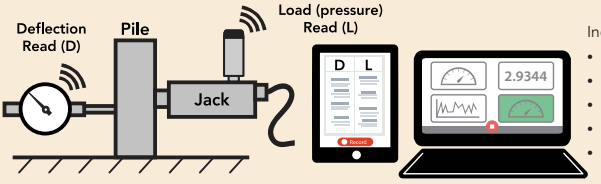
Both deflection & load measurement

Multiple load measurement options

Multi-platform software capability

Data saving

Remote cloud monitoring**



Included in the Package:

- BlueDial(s): Bluetooth Dial Indicator(s)
- Bluetooth Pressure Sensor 1X
- Protective carrying case 1X
- Wireless Pile Load Test app for iPad
- iPad with rugged protective case (optional)

App Features:

- Easy pairing/unpairing with sensors
- Simultaneous recording of BlueDials and pressure sensor
- Measurement results organized in table
- Remote zeroing of BlueDial readings in the app
- Automatic calculation of average deflection
- Option to enter jack calibration equation for automatic pressure-load conversion
- Excel CSV export via email
- Local saving on iPad for future access and export

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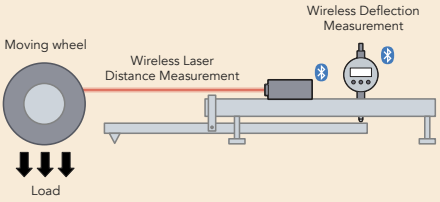
Wireless Benkelman Deflection Test Kit

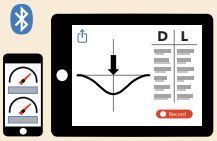
The Wireless Benkelman Test Kit is a novel tool for Benkelman beam deflection testing. It consists of a Bluetooth dial indicator, BlueDial, to measure deflection of flexible pavements under the action of moving wheel loads, and a Bluetooth laser measurer to measure distance between the Benkelman beam and the moving truck. The app/ software on iOS/Android smart devices or Windows PC pairs with both Bluetooth measurement devices simultaneously to sync and record their readings.

BlueDial	Specification
Measurement Range	0.5 in/12.7 mm, 1 in/25.4 mm, 2 in/50 mm
Resolution	0.0005 in/0.01 mm, 0.00005 in/0.001 mm
Accuracy	±0.001 in, ±0.0002 in
Wireless Data Rate	8 Hz
Transmission Range	30 m
Working Temperature	0-50 °C
Battery	400 mAh rechargeable, 50 hr battery life

Laser Measure	Specification
Measurement Range	6 in - 165 ft/0.15 - 50 m
Resolution	± 1/32 in/0.5 mm
Accuracy	± 1/16 in/1.5 mm
Wireless Data Rate	2 Hz
Transmission Range	20 m
Working Temperature	-10-45 °C
Battery	2x AAA

Bluetooth Low Energy | Rechargeable Dial Indicator | High-accuracy laser sensor | Visible laser dot | Multi-platform software capability | Multi-gage capability | Continuous recording and plotting | Data saving | Remote cloud monitoring**





Included in the package:

- BlueDial(s): Bluetooth Dial Indicator (default 1x, can add more)
- Bluetooth Laser Measurer 1x
- Protective Carrying Case 1x

More Features with our FREE Apps/Software*

- Simultaneous reading of multiple devices
- Data plotting on iPhone/iPad/Android
- Continuous or single data point recording
- Max, Min, TIR measurement
- Remote zeroing from the app
- GO/NG judgment with green/red color indication
- Real-time cloud data streaming worldwide
- Custom formula calculator
- Large analog probe meter with adjustable range
- Data saving in local database
- Data export in CSV via email and cloud drives
- Keyboard entry to Excel or SPC software on PC
- Apple Watch support

*Availability of features varies between apps/platforms.

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Wireless Rotor Runout Kit

Wireless Rotor Runout Kit is a novel tool for rotor runout measurement. It consists of a Bluetooth dial indicator (BlueDial), a Bluetooth angle sensor (BlueAngle) and the iPad application Runout. Together, these sensors work to seamlessly measure both circumference deflection and rotor rotating angle to show the real contour of the rotor. The multiple-sensor connectivity of the app also allows users to add extra BlueDials to conduct runout tests on different planes simultaneously.

BlueDial BD10-783/793	Specification
Measurement Range	0.5 in/12.7 mm
Resolution	0.0005 in, 0.01 mm/0.0001 in, 0.001 mm
Accuracy	0.0008 in/0.00012 in
Wireless Data Rate	10 Hz
Transmission Range	20 m (indoors)/30 m (outdoors)
Working Temperature	0 - 50 °C
Rechargeable Battery	400 mAh
Battery Life	60 hrs

BlueAngle	Specification
Measurement Range	360 °
Resolution	0.1 °
Wireless Data Rate	50 Hz
Transmission Range	Up to 20 m
Dimensions	1.58 x 1.58 x 0.79 in
Working Temperature	0-50 °C
Rechargeable Battery	150 mAh
Battery Life	10 hrs

Bluetooth Low Energy

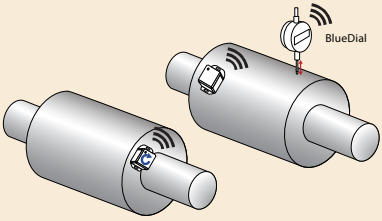
Rechargeable

Both deflection & angle measurement

Polar and linear plot generation

Continuous recording and plotting

Data saving



Included in the Kit:

- BlueDial(s)
- BlueAngle 1X
- Rotor Runout iPad app

App Features:

- Wireless connectivity with deflection (dial indicator) sensor and angle sensor
- Multiple sensor connectivity (up to 9 simultaneously)
- Probe meter for deflection readings
- User-defined range for probe meter
- Analog rotating indicator for rotor angular position
- Remote zeroing of deflection and angle sensors
- User-defined number of test points on rotor circumference
- Cartesian plot and polar plot
- Direct screenshot of the results and plots to save in local
- Values and positions of Max/Min summarized in result table
- Measurement export via AirDrop or email in CSV format
- PDF report with test information, machine image, test results, notes, tester signature and map
- Local test records manager to retrieve previous data and reports

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Wireless Hydraulic Pressure Test Kit

Motionics, LLC

Motionics wireless hydraulic pressure test kit is your solution for safe, efficient pressure testing with heavy machinery. Our Bluetooth-enabled pressure sensors, with the help of our free software, MultiGage, allow you to continuously monitor pressure in multiple locations simultaneously on your iOS, Android, or Windows device.

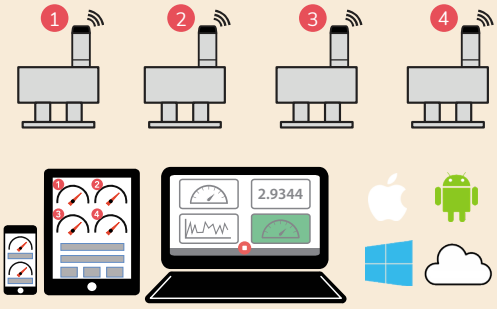
These durable, compact, wireless pressure gauges eliminate the need for hard-wiring and are ideal for pressure and temperature measurement for pumps, compressors, hydraulic presses, machinery, excavators, pneumatic equipment and motors in harsh environments. The kit, with the use of a connector, is compatible with most industrial machinery.

The set comes with three to four wireless pressure gauges, a BLE USB dongle for our Windows software, and a Pelican protective case to keep your test kit in good condition for long-term use.

Features

- Long battery life - up to 2 years with a standard coin battery
- IP67 harsh environment proof
- High accuracy reading ±0.25% FS
- Multiple sensor reading capability up to 14 on iOS device

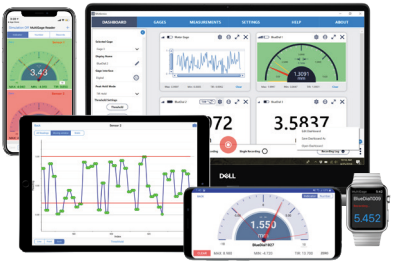
Bluetooth Low Energy | Long battery life | IP Rating IP67 | Replacable coin battery | Temperature sensor | Onboard data logger | Multi-platform software capability | Multi-gage capability | Continuous recording and plotting | Data saving | Remote cloud monitoring**



Bluetooth Pressure Sensor	Specification
Measurement Range	30 - 15,000 psi
Accuracy	±0.25% FS
Proof Pressure	2x msmt range (20,000 psi max)
Burst Pressure	5x msmt range (20,000 psi max)
Transmission Range	Up to 20 m
Transmission Interval	5 s (adjustable)
Weather Proof	IP67
Working Temperature	-20 - 85 °C
Battery Life	2 years at 5 s interval w/CR2050
Battery Type	CR2050/CR2032
Pressure Port	¼-18NPT (¼-19BSPT for bar models)

More Features with our FREE Apps/Software*

- Simultaneous reading of multiple devices
- Data plotting on iPhone/iPad
- Continuous or single data recording
- Max, Min, TIR measurement
- Remote zeroing from the app
- Real-time cloud data streaming worldwide
- Custom formula calculator
- Large analog probe meter with adjustable range
- Measurement voice read in 9 languages
- Data export in CSV via email and cloud drives
- Keyboard entry to Excel or SPC software on PC



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iPad Vibration Analyzer

Motionics' vibration analysis kit is an iPad-based vibration analyzer. It includes a low voltage piezoelectric accelerometer for accurate vibration measurement. Accelerometer signals are continuously acquired through the 2-Channel DAQ box mounted on the back of an iPad and passed to Motionics vibration apps through the iPad's lightning port.

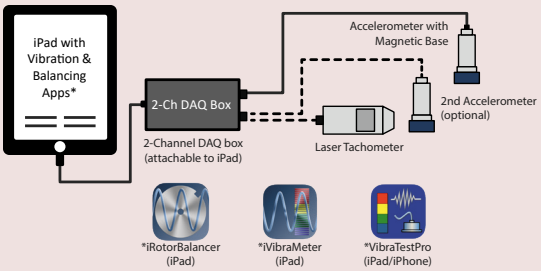
This vibration analysis kit includes the VibraTestPro App and iVibraMeter apps. VibraTestPro is the go-to app to measure vibration on iPhone and iPad. It provides comprehensive vibration analysis features, such as a real-time waveform & spectrum viewer, ISO10816 vibration meter, raw signal recording and so on. The user can also use the iVibraMeter app on iPad for quick overall vibration tests of multiple common machines such as pumps, motors, spindles, etc. with rapid PDF report generation capability. The kit is designed modularly, so it can be converted to a vibration/rotor balancing kit by adding a tachometer with the use of the iRotorBalancer app.

App Features:

- Vibration meter with ISO10816 (customizable) severity indicator
- Interactive real-time waveform and spectrum viewer
- Customizable graph appearance: background color, line color, line thickness, grids
- Velocity and acceleration readings (metric & imperial)
- Auto Peak detection cursor, manual cursor, and top 5 peaks detector
- Distance cursor, harmonic cursor and sideband cursor
- Vibration raw signal (auto & manual) recording (adjustable sampling rate) with local data saving
- Vibration signal export in CSV and WAV formats
- Plant-Machine-Test point structure for easy data management
- PDF test report with plant map, images, signature & notes
- Quick and single tap vibration reading for pre-defined test points on common machines (motors, fans, pumps, spindles, etc.) with auto PDF report generation

Included in the Package:

- iPad (optional and customizable)
- 2-Channel DAQ box with 2-Ch simultaneous measurement
- Industrial single channel accelerometer with magnet base
- 3ft coiled accelerometer cable (extends to 10ft)
- Custom iPad case for protection and to hold the DAQ box
- Protective Carrying Case
- iVibraMeter iPad App for overall vibration and certificate tests
- VibraTestPro iPhone/iPad App for vibration analysis
- Several other calculator apps as vibration reference tools



iPad Vibration Balancer	Specification
Sensitivity	25 mV/g
Measurement Range	±50 g
Frequency Range	30 - 900,000 cpm
Resonance Frequency	1860 kcpm
Number of Inputs	2 channels
Sampling Rate	44100 Hz
Operating Temperature	0-50 °C
Magnetic Base Pull Force	85 lbf
Acccelerometer Cable	10 feet

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iPad Vibration and Rotor Balancing Kit

Motionics, LLC

Motionics iPad Rotor Balancing Kit turns an iPad into a rotor balancer and vibration analyzer. It is a pure iPad-based kit consisting of iPad (optional), a 2-channel DAQ box,industrial accelerometer and a laser tachometer. The kit comes with several apps for vibration analysis, overall vibration testing, and rotor balancing.

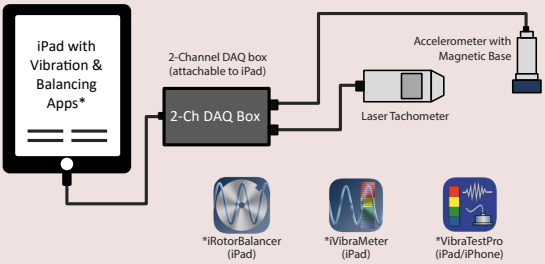
The iPad iRotorBalancer app allows single-plane, 2-plane, 4-runs, and overhung balancing to meet different rotor balancing requirements. With just simple tapping–andtyping, anyone can be an expert in rotor balancing using this package. The iPhone/iPad VibraTestPro app makes the kit a full vibration analyzer with time domain and frequency domain analysis. The kit also comes with the iVibraMeter App for iPad which can be usedfor a quick overall vibration tests of multiple common machines such as pumps, motors, spindles, etc. with rapid PDF report generation capability.

Features:

- Single-Plane balancing using 4-Runs/Vector methods
- 2-plane inbound/overhung balancing
- Real-time waveform/spectrum (FFT) of vibration signal
- Polar plots of trial and correction weights
- Angular mass distribution calculator
- Permissible residual imbalance determination
- Weight removal calculator
- One-button calibration for accelerometer input
- Balancing report generation with email sharing and wireless printing

Included in the Package:

- iPad (optional and customizable)
- 2-Channel DAQ box with 2-Ch simultaneous measurement
- Industrial single channel accelerometer with magnet base
- Laser tachometer with custom cable
- Custom iPad case for protection and to hold the DAQ box
- iRotorBalancer iPad app for rotor balancing
- iVibraMeter iPad App for overall vibration and certificate tests
- VibraTestPro iPhone/iPad App for vibration analysis
- Several other calculator apps as vibration reference tools



iPad Vibration Balancer	Specification
Sensitivity	25 mV/g
Measurement Range	±50 g
Frequency Range	30 - 900,000 cpm
Resonance Frequency	1860 kcpm
Number of Inputs	2 channels
Sampling Rate	44100 Hz
Power Supply	From iPad
Magnetic Base Pull Force	85 lbf
Acccelerometer Cable	10 feet

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The software & hardware can be customized.
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Single-Channel Vibration Kit

Motionics Single-Channel Vibration Kit is a low-cost yet effective solution for performing vibration test on the fly. It consists of an advanced digital accelerometer connecting to an iPhone/iPad along with iOS vibration apps.

The digital accelerometer is piezoelectric based, which guarantees accurate measurement and broad-frequency response. It integrates a 24-bit internal ADC, hence data is directly passed through lightning port on iPhone/iPad, eliminating the need of an external DAQ box. Calibration information is stored onboard and automatically used to calibrate input signal, no extra calibration procedure is required.

Single-Channel Vibration Kit includes VibraTestPro App and iVibraMeter app. VibraTestPro is the go-to App to measure vibration on iPhone and iPad. It provides comprehensive vibration analysis features such as real-time waveform & spectrum viewer, ISO10816 vibration meter, raw signal recording and so on. The user can also use the iVibraMeter App on iPad for a quick overall vibration tests of multiple common machines such as pumps, motors, spindles, etc. with rapid PDF report generation capability.

Included in the Package:

- Digital Accelerometer x1
- 85 lbf Magnet Base x1
- Accelerometer Cable Accessory x1
- Protective Carrying Case x1
- iVibraMeter App (iPad) x1
- VibraTestPro App (iPhone/iPad) x1
- iPad with Industrial Protective Case (optional)

App Features:

- Vibration meter with ISO10816 severity indicator
- Interactive real-time waveform and spectrum viewer
- Customizable graph appearance: background color, line color, line thickness, grids
- Velocity and acceleration readings (metric & imperial)
- Peak cursor with auto peak detection and manual selection
- Distance cursor, harmonic cursor and sideband cursor
- Vibration raw signal recording and saving in local database
- Vibration signal export in CSV
- Plant-Machine-Test point structure for easy data management
- Customizable standard for severity indicator
- PDF test report with plant map, images, signature & notes

*iVibraMeter (iPad)

*VibraTestPro (iPad/iPhone)

iPad Vibration Balancer	Specification
Measurement Range	⍰20 g pk
Frequency Range (3dB)	54 - 900,000 cpm
Non-Linearity	≤ 2%
Operating Temperature	-10 °C to +70 °C
Sampling Rate	44100 Hz
Internal ADC	24 bits
Magnetic Base Pull Force	85 lbf

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Shale Shaker Vibration Test Kit

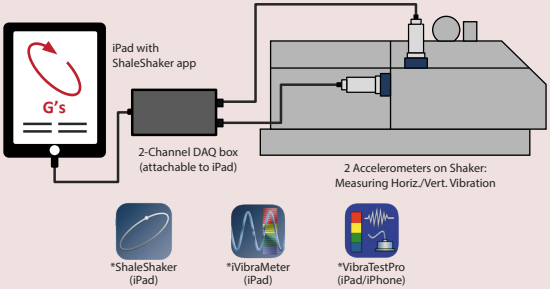
Motionics shale shaker vibration Test kit is an iPad-based vibration analyzer specialized for shale shakers.

This kit comes with two accelerometers with magnetic bases that can be attached to a test point to measure vibrations in two directions. Accelerometer signals are acquired through the 2-Channel DAQ mounted on the back of the iPad and passed to the Shale Shaker App through iPad data port.

In the Shale Shaker App, users can see 2-Channel vibration spectrum, waveform and G Motion X-Y orbit plots. Vibration peak and RMS values can be recorded and saved to a test report. PDF reports are saved in local database and can be exported. The kit also comes with Motionics VibraTestPro App iPhone & iPad. Using this App, this kit can be used as a 2-Ch vibration analyzer with vibration analysis features such as real-time waveform & spectrum viewer, ISO10816 vibration meter, raw signal recording, etc.

Features:

- 2-Channel DAQ box with 2-Ch simultaneous measurement x1
- Industrial single channel accelerometer with magnet base x2
- 3ft coiled accelerometer cable (extends to 10ft) x2
- Custom iPad case for protection and to hold the DAQ box x1
- Shale Shaker iPad App for shaker vibration analysis x1
- iVibraMeter iPad App for overall vibration and certificate tests x1
- VibraTestPro iPhone/iPad App for vibration analysis x1
- iPad (optional and customizable)



Shale Shaker	Specification
Sensitivity	25 mV/g
Measurement Range	±50 g
Frequency Range	30 - 900,000 cpm
Resonance Frequency	1860 kcpm
Number of Inputs	2 channels
Sampling Rate	44100 Hz
Operating Temperature	0-50 °C
Magnetic Base Pull Force	85 lbf
Acccelerometer Cable	10 feet

App Features:

- Two channel data acquisition
- G Readings: vertical, horizontal and resultant
- Real-time vibration waveform
- Wide range FFT spectrum
- X-Y plot (G Motion Plot)
- Peak/RMS vibration selection
- PDF Test report with plots, map, machine picture, signature and custom notes
- Local database and test report manager
- Export PDF report through E-mail and air-print

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VibeSense
Wireless Vibration Analyzer

Motionics VibeSense wireless accelerometer is a wireless sensor solution for condition monitoring of rotating machinery. It packs a piezoelectric accelerometer, a powerful onboard processor, and a Bluetooth Low Energy radio module.

The piezoelectric accelerometer sensor guarantees accurate acceleration measurement in various industrial applications. The powerful processor provides onboard calculation capability for FFT, RMS calculation, peak finding, as well as raw signal collection with user-configurable sampling rates and data block sizes. The Bluetooth Low Energy module enables communication with smart devices to allow the user to send commands to the accelerometer to initiate data collection for onboard processing or transmitting back for further analysis on a phone or tablet. Without the hassle of a data cable, measurements can be made more efficiently and safely.

VibeSense runs on a rechargeable Li-Po battery with Qi wireless charging enabled.

Connecting the laser tachometer through the connector on top turns VibeSense accelerometer into a novel rotor balancing tool. With the step by step guide in our mobile app, anybody can accomplish single-plane and two-plane rotor balancing effortlessly.

Bluetooth Low Energy

Rechargeable with wireless charging

IP66
Water/dust-proof for industrial environment

Frequency-Domain FFT viewer

Vibration meter ISO 10816

Time-domain signal and logger

Included in the Package:

- VibeSense Wireless Accelerometer
- Qi Wireless Charging Pad
- 1/4-28 Accelerometer Mounting Set Screw
- Magnet Key for Sensor on/off Switch
- Protective Carrying Case
- VibraTestPro iPhone & iPad App (for vibration analysis)

Optional:

- iPad Mini with Industrial Protective Case
- Two Pole 85 lbs Magnetic Base
- Adjustable Laser Tachometer Sensor (for balancing)
- Laser Tachometer Extension Cable (for balancing)
- Laser Tachometer Holder (for balancing)

Software Features:

- Wireless sensor connection via Bluetooth Low Energy
- iPhone & iPad compatibility
- Vibration meter with ISO10816 (customizable) severity indicator
- Interactive real-time waveform and FFT spectrum viewer
- Customizable graph appearance: background color, line color, line thickness, grids
- Velocity and acceleration readings (metric & imperial)
- Auto Peak detection cursor, manual cursor, and top 5 peaks detector
- Distance cursor, harmonic cursor and sideband cursor
- Vibration raw signal recording with adjustable sampling rate and data length
- Vibration signal export in CSV and WAV formats
- Vibration signal local saving
- Plant-Machine-Test point structure for easy data management

VibeSense	Specification
Accelerometer Type	Piezoelectric
Sensitivity	100 mV/g
Measurement Range	±20 g
Frequency Range (±3 dB)	0.32 - 10,000 Hz
Resonant Frequency	25,000 Hz
ADC	16 bits
Sampling Rate	200 to 20,000 Hz
Date Block Size	256 to 16,384 samples
Spectrum Range	1 to 10,000 Hz
Wireless Data Transmission Range	Up to 20 m
Operating Temperature	-20 - 60°C
Dust/Water Protection	IP66
Battery	Rechargeable Li-Po battery
Charging	Qi Wireless Charging

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VibeSense
Wireless Rotor Balancer

Motionics, LLC

Motionics VibeSense wireless balancer is a novel rotor balancing tool. It consists of VibeSense wireless accelerometer and a miniature laser tachometer sensor.

VibeSense wireless accelerometer utilizes a piezoelectric accelerometer to guarantee accurate acceleration measurement. It has a powerful onboard processor to process both accelerometer and tachometer signals, perform FFT, and calculate vibration and phase readings for rotor balancing. Wireless signal transmission is achieved by Bluetooth Low Energy that allows users to directly communicate with the sensors and perform balancing work on a smart phone or tablet.

The miniature laser tachometer can be attached to the VibeSense wireless accelerometer through the connector on top for phase measurement. With the included right-angle adapter, users can easily adjust and target the laser at any spot on the testing rotor. An extension cable can also be used to extend the laser reach.

Both single-plane and two-plane, inbound and overhung balancing are supported in our mobile app. With the animated step-by-step guide, anybody can accomplish rotor balancing work effortlessly. After balancing, a PDF report will be generated and saved for further assessment. VibeSense runs on a rechargeable Li-Po battery with Qi wireless charging enabled.

Bluetooth Low Energy

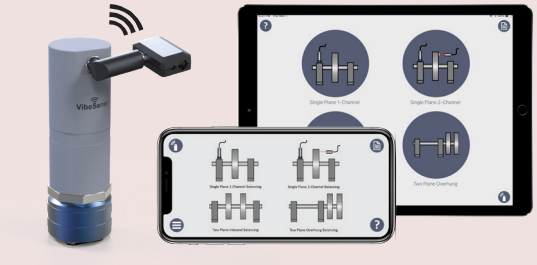
Rechargeable with wireless charging

IP66
Water/dust-proof for industrial environment

Attachable/adjustable 360° laser tachometer

Single-plane balancing (4-runs & 2-channel methods)

Two-plane balancing (inbound & overhung)



Included in the Package:

- VibeSense Wireless Accelerometer
- Adjustable Laser Tachometer Sensor
- Laser Tachometer Extension Cable
- Laser Tachometer Holder
- Qi Wireless Charging Pad
- 1/4-28 Accelerometer Mounting Set Screw
- Magnet Key for Sensor on/off Switch
- Protective Carrying Case
- VibeSenseRB iPad App (for rotor balancing)
- add VibraTestPro iPhone & iPad App (for vibration analysis)

Optional:

- iPad Mini with Industrial Protective Case
- Two-Pole 85-lbs Magnetic Base

Software Features:

- Wireless sensor connection via Bluetooth Low Energy
- Multiple sensor connectivity
- Supports single-plane and two-plane balancing
- Supports inbound and overhung
- Step-by-step guide for balancing
- Polar plot for vibration and trial/correction weights
- Angular mass distribution calculator
- Weight removal calculator
- Permissible residual imbalance determination
- ISO18016 based vibration meter
- Vibration raw signal recording
- Vibration signal FFT spectrum viewer
- Balancing PDF report

VibeSense	Specification
Accelerometer Type	Piezoelectric
Sensitivity	100 mV/g
Measurement Range	±20 g
Frequency Range (±3 dB)	0.32 - 10,000 Hz
Resonant Frequency	25,000 Hz
ADC	16 bits
Sampling Rate	200 to 20,000 Hz
Date Block Size	256 to 16,384 samples
Wireless Transmission Range	Up to 20 m
Operating Temperature	-20 - 60°C
Dust/Water Protection	IP66
Battery	Li-Po battery w/Qi Wireless Charging
Laser Tachometer Attachment	Attachable 360° Adjustable
Laser Sensor	Class IIIa Wavelength 650nm

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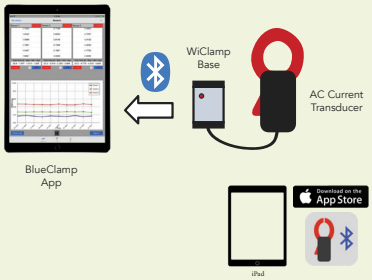
Wireless Current Measurement Kit

Wireless current measurement kit consists of an AC current transducer and a WiClamp base. It can measure the TRUE RMS value of current in a cable and transmit measurement results wirelessly via Bluetooth Low Energy.

Our free iPad app, BlueClamp, can simultaneously receive and display data from multiple WiClamp bases, turning the iPad into a multi-line current monitoring device.

This kit also includes a USB charging cable and a 110 VAC USB adapter.



Current Measurement Kit	Specification
Measurement Range	1-115 A RMS (10 mV/A), 1-400 A RMS (1 mV/A)
Resolution	0.3A (10 mV/A), 3A (1 mV/A)
Transmission Range	Up to 10 m
WiClamp Base Dimension	2.36 x 1.42 x 0.59 in
Transducer Dimension	2.52 x 5.63 x 1.18 in
Working Voltage	600 V CAT II
Operating Temperature	0 - 50 °C
Battery	350 mAh
Charging	5 VDC USB

BlueClamp App Features (iPad):

- Available now on the App Store for free
- Multiple clamp connectivity, up to 3 devices (can be upgraded to 10 devices on request)
- Real-time readings in both tables and plots
- Max, Min, Average
- Individual clamp adding/removing during measurement
- Individual plot control of each clamp
- Individual clamp calibration and preference setting
- Simulation mode for demonstration
- Multiple sampling frequencies: 2, 30, 60 seconds/sample
- Pause/resume during measurement
- Data export in CSV file
- Custom PDF report generation
- Add company logo and machine image in report
- Auto populate test date and test results in report
- User signature and custom note
- Facility location/map in report
- PDF report wireless printing and email export

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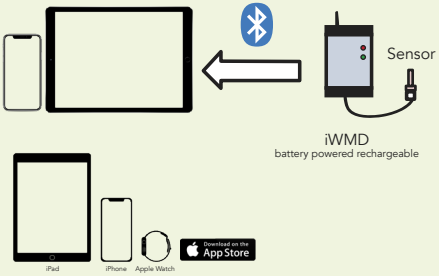
iWMD
Wireless Measurement Device

iWMD is a series of wireless measurement devices with high resolution. It allows the user to measure various sensor readings and communicate wirelessly with smart devices such as the iPad via Bluetooth Low Energy.

Applications:

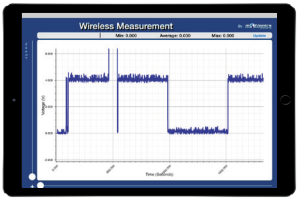
- Remote Monitoring
- Power, Current & Voltage Monitoring
- Pressure Measurement
- Temperature Sensing (RTE, Thermocouple, Infrared)
- Crankshaft Deflection Detection
- Rotor Runout Assessment
- Wireless Metrology
- Flow measurement
- Oil characteristics sensing

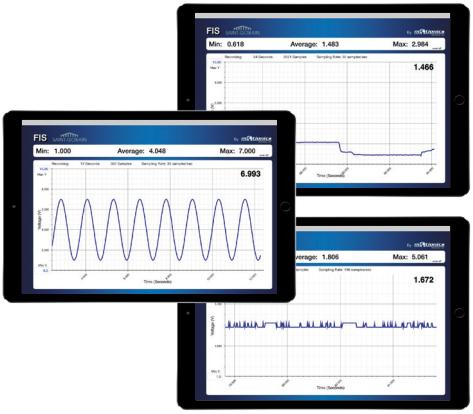
Current Measurement Kit	Specification
Resolution	10, 5, 1, 0.2, 0.1 mV
Wireless Data Rate	1-1,000 Hz
Transmission Range	Up to 10 m
Input Range	0 - 10, 0 - 5, 0 - 1.1 VDC
Dimension	5.04 x 3.07 x 1.06 in
Sensor Supply Voltage	5-20 VDC
Antenna Extension	Magnetic Base
Working Temperature	0 - 50 °C
Battery	2,500 mAh
Charging	5 VDC USB and 110 VAC



App Features:

- Multiple wireless sensor connectivity
- Display acquired data in real-time graph
- Record data, CSV and SQLite export
- Quick custom PDF report with image, signature, map and GPS location
- Export via email, cloud, and USB cable
- Zoom, pan, max, min, and average





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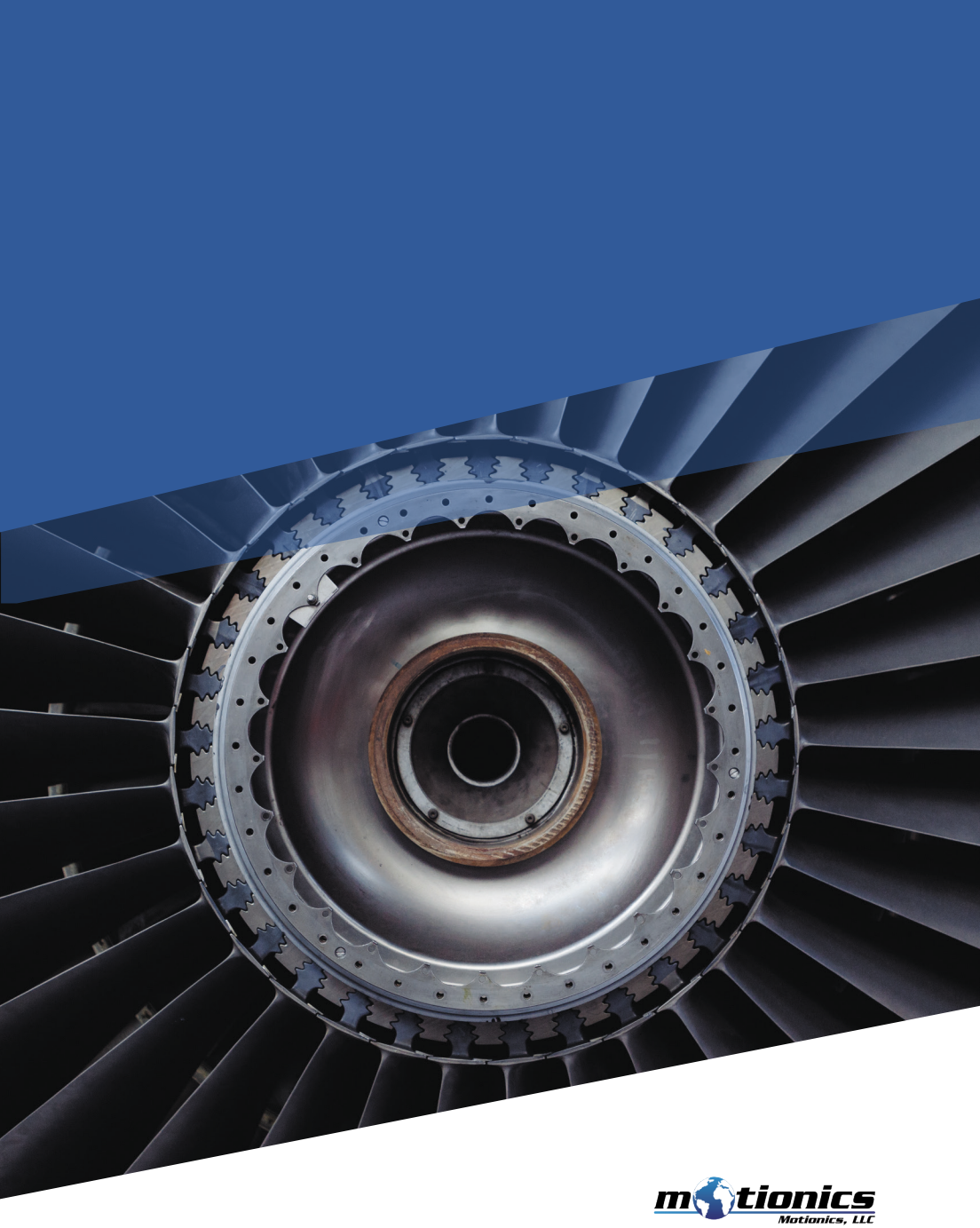

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Smart Tools for Measurement, Monitoring, and Diagnostics of Machinery

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