

Wireless Rotor Runout Kit



Motionics 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 sensors connectivity of the App also allows users to add extra BlueDials to conduct runout test on different planes simultaneously.



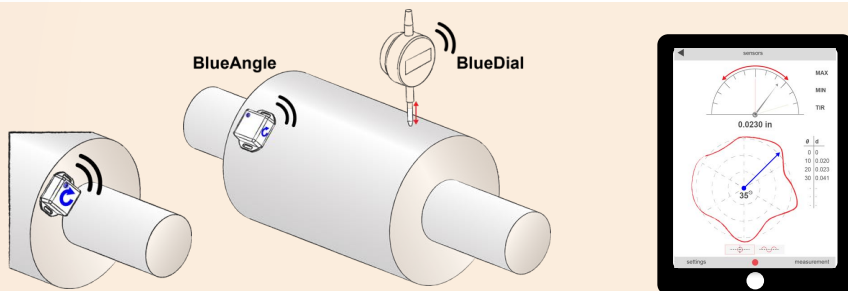
iPad not included in the package

Bluetooth Dial Indicator (BlueDial)

- Maximum Dimension: 120 (L) x 57 (W) x 40 (H) mm
- Measuring Range: 0.5 in/12.5 mm
- Resolution: 0.0005 in/0.01 mm (783), 0.0001 in/0.001 mm (793)
- Accuracy: 0.0008 in (783), 0.00012 in (793)
- Holding Stem Diameter: 3/8 in
- Wireless Data Transmission Rate: 10 Hz
- Wireless Data Transmission Range: up to 10 m (line of sight)
- Working Temperature: 0-50 °C
- Battery: 400 mAh rechargeable
- Battery Usage Life: 30 hr

Bluetooth Angle Sensor (BlueAngle)

- Dimensions: 1.58" x 1.58" x 0.79"
- Resolution: 0.1°
- Wireless Data Transmission Rate: 50 Hz
- Wireless Data Transmission Range: up to 20 m
- Working Temperature: 0-50 °C
- Battery: 150 mAh (rechargeable)
- Battery Usage Life: 10 hrs



Included in the Kit:

- BlueDial 1X
- BlueAngle 1X
- Rotor Runout iPad App

Apps Features:

- Wireless connectivity with displacement (dial indicator) sensor and angle sensor
- Multiple sensors connectivity (up to 4 simultaneously)
- Probe meter for displacement readings
- User-defined range for probe meter
- Analog rotating indicator for rotor angular position
- Remote zeroing of displacement 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
- Exporting measurement via AirDrop or Email in CSV format
- PDF report with test information, machine image, test results, note, tester signature and map
- Local test records manager to retrieve previous data and reports



For iPad

