

Wireless Bore Gauge QuickStart Guide



Getting Started

Motionics Wireless Bore Gauge Set combines a Bluetooth dial indicator BlueDial/BlueDial-LT with a high-quality bore gauge set to make bore ID measurements easy.

You can purchase the set together, or Bluetooth dial indicator only if you already have a bore gauge set. Our Bluetooth dial indicator will be compatible with almost all available analog bore gauge sets on market.

To be able to take bore gauge readings wirelessly, install the free MultiGage app; scan the QR code below and download from the App Store.



MultiGage iOS



Included

- 2"-6" Bore Gauge Set
 - 0.0005" Graduation Analog Indicator x1
 - Bore Gauge Rod w/ Measuring Head x1
 - Anvil x 11
 - (2", 2.2", 2.4", 2.6", 2.8", 3.0", 3.2", 3.4", 3.6", 3.8", 4.0" one each)
 - Washer x 3
 - (0.02", 0.05", 0.1" one each)
 - 2" Extension x1
 - 8mm to 3/8" Bushing x1 (only with BDLT dial)
- Wireless BlueDial/BlueDial-LT x1
- USB Charging Cable x1
- USB Power Adapter x1
- User Guide x1

Wireless Dial Indicator



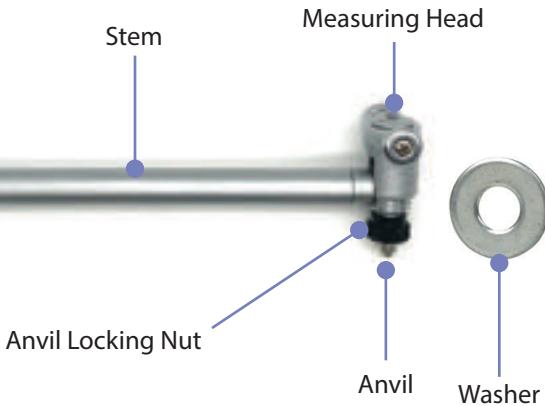
Watch an
instructional
video



Analog Dial Indicator



Clamp Screw
Clamp



Quick Start

1. Attach the indicator

- If using BlueDial-LT with inch-type bore gauge set, install 8mm to 3/8" bushing on BlueDial-LT stem.
- Install BlueDial/BlueDial-LT to the bore gauge rod
- Turn on BlueDial/BlueDial-LT
- Launch MultiGage Reader app, select new measurement and pair with BlueDial/BlueDial-LT.
- Wait for connection to complete; dial reading shows in real-time.

2. Select the accessory or combination of accessories

- Remove the anvil locking nut and the anvils or washers not used.
- Install the correct accessory or combination of accessories to match the bore size to be measured.
- Install the knurled locking nut tightly.

3. Dimension setting

- Prepare a calibration ring or a micrometer set to the nominal value of the bore.
- In the app, tap on device name to open device setting page, select Max for Peak Hold and save. Now the device panel displays max reading of the dial.
- Move the bore gauge back and forth within the calibration ring or micrometer a few times. The app detects Max reading automatically.
- Select More->Calculator in the app, enter the equation: Calibrated value + Max reading in calibration - s1 and add the calculated device to new measurement.

4. Bore measurement

- Tap on device name of the calculated device to open device setting page, select Min for Peak Hold and save. Now the device panel displays min reading of the calculated device.
- Tap on device reading to enter full screen display page if needed.
- Tap clear button and move bore gauge into the testing bore.
- Rock the bore gauge rod a few times and bore size is automatically detected
- To record a reading, tap record button in new measurement page or capture button in full screen display page.
- To continue with new measurement, tap clear button again before moving to the next bore.
- To turn on GO/NG judgment, tap on device name of the calculated device to open device setting page, enter upper & lower threshold limits, toggle enable switch and save. Now if measurement reading falls within tolerance, device panel background stays green, otherwise it turns red.