

Wireless Pile Load Test Kit



Motionics Wireless Pile Load Test Kit measures pile deflection under different load conditions with Bluetooth dial indicator BlueDials and Bluetooth pressure sensor BluePSI on iPad.

The two BlueDials are attached to the test pile to measure movements during load application and removal. The Bluetooth pressure sensor is mounted on the hydraulic pump to monitor load change. The App runs on Apple iPad and pairs with the BlueDials and the BluePSI. Readings from all 3 wireless gages will be synced and updated in the App.



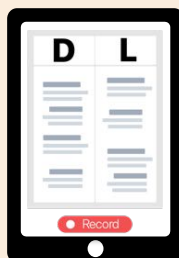
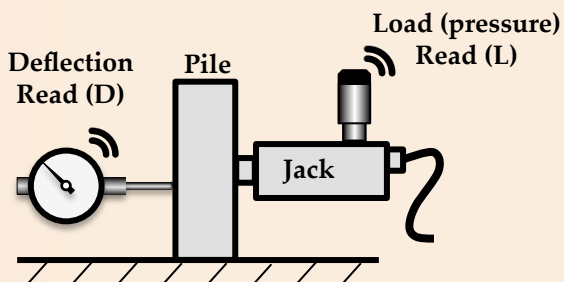
Specification:

Bluetooth Dial Indicator (BlueDial)

- Measurement Range: 2 in/50 mm
- Resolution: 0.0005 in/0.01 mm
- Bluetooth 4.0 Wireless Connection
- Max Data Transmission Rate: 10 Samples/Sec
- Max Data Transmission Range: 30 ft/10 m (line of sight)
- Working Temperature: 0 – 50 °C
- Indicator Battery: CR2032
- Bluetooth Transmitter Battery: 400 mAh (rechargeable)

Bluetooth Pressure Sensor (BluePSI)

- Measurement Range: 0-5000 psi (more options available)
- Accuracy: $\pm 0.25\%$ of full scale
- Bluetooth 4.0 Wireless Connection
- Data Transmission Interval: 5 s (more options available)
- Max Wireless Data Transmission Range: 60 ft/20 m
- Working Temperature: -20 – 85 °C
- Battery: CR2050
- Connection: 1/4-18 NPT (more options available)



Included in the Package:

- BlueDial(s): Bluetooth Dial Indicator(s) 2X
- Bluetooth Pressure Sensor 1X
- Protective Carrying Case 1X
- Wireless Pile Load Test App for iPad
- iPad with rugged protective case (optional)

App Features:

- Easy pair/unpair with sensors
- Simultaneous recording of BlueDials and pressure sensor
- Measurement results organized in table
- Remote zeroing 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



For iPad

Available on the
App Store

