

CrankSense Wireless Crankshaft Deflection Kit



CrankSense Wireless Crankshaft Deflection Test Kit uses an LVDT-based Bluetooth crankshaft gauge to improve accuracy and efficiency of crankshaft web deflection tests. With seamless integration of hardware and software, CrankSense enables users to record deflection data easily and safely.

Thanks to CrankSense's built-in angle measurement, there is no need to mark test points on the crankshaft web manually. Both the iPad app and Windows software will notify users once the crankshaft rotates to test locations. A PDF test report can be generated and saved at the end of each test for further analysis.

CrankSense WIRELESS CRANKSHAFT DEFLECTION TEST KIT

CrankSense Wireless Gauge	Specification
Resolution	0.0001" (0.003mm)
Measurement Range	0.4" (10mm)
Connectivity	Bluetooth 4.0
Accuracy	±0.00012" (0.003mm)
Wireless Data Transmission Rate	10Hz
Transmission Range	65ft (20m) indoors/ 100ft (30m) outdoors
Crankshaft Web Gap Range	5.71-28.35" (145-720mm) <small>Customize model covers shorter ranges down to 3.94" (100mm)</small>
Working Temperature	32-122°F (0-50°C)
Transmitter Battery	400mAh Rechargeable 5VDC USB Charging / 30hrs
Digital Dial Battery	Replaceable SR44 or LR44 coin battery / 2 years

Angle Measurement Resolution

Built-in Rotating Angle
Measurement with 1° Resolution



Bluetooth
Low Energy



Rechargeable



All-in-one gauge



Both deflection and
rotational measurement



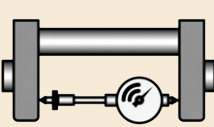
Multi-platform
software capability



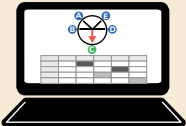
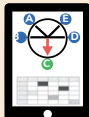
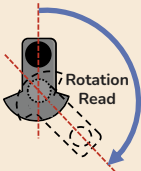
Data saving



Adjustable
gauge length



Deflection Read



Included in the Package:

- Wireless CrankSense Gauge
- BLE USB Dongle
- Extension Rod Set
- Protective CrankSense Case
- 60° punch
- USB Power Adapter
- USB Charging Cable
- CrankSense Coin Battery
- Product Documents

App Features:

- Wireless Data Recording
- Automatic Test Point Notifications
- Test Report Generation
- Email Generated Reports
- Tilt Angle Indicator
- Automatic Deflection Calculations
- Tester Signature
- Wireless Print Reports
- Table Organized Results
- End Play Test Included
- Local Report Storage Manager
- Edit Engine Configuration Settings



For iPad For Windows



Motionics, LLC
Austin, TX 78757

www.motionics.com info@motionics.com

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

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