

Bearing Checker



BearingChecker is a portable instrument for fast and easy measurement of bearing condition in preventive maintenance. The instrument is push button controlled and basic measurement data are entered manually.

BearingChecker measures shock pulses, either with a built-in probe (BC200) or with an external sensor. The instrument can also be used as an electronic stethoscope for detecting machine sound irregularities.

Measuring results are indicated by green-yellow-red symbols along with detailed evaluation of measurement values. Measurement results can also be transferred to a file for further processing, e.g. in Microsoft Excel.

For prepared kits containing instruments, carrying case, charger, charger cable, etc., see TD-573.

Technical specifications

Material, casing:	copolyester/TPE
Size:	BC200: 207x74x41 mm (8.1x2.9x1.6 in) BC250: 184x74x41 mm (7.2x2.9x1.6 in)
Weight:	BC200: 335 g (11.8 ounces) BC250: 300 g (10.6 ounces)
Protection class:	IP65
Keypad:	sealed, snap action
Display:	2.4" Color TFT LCD Display
Power supply:	3.63 V Lithium Ion, USB rechargeable
Battery life:	> 25 hours of normal use
Operating temperature:	-10° to +50 °C (14° to 122 °F)
Input connector:	mini coax, for external shock pulse sensors
Output connector:	mini-B USB (adapter allows 3.5 mm stereo jack for headphones)
General functions:	battery status display, transducer line test, metric or Imperial units of measurement, menus with symbols, storage of up to 10 measurement values

Shock pulse measurement

Measurement technique: dBm/dBc, measuring range
-9 to 90 dBsv, ± 3 dBsv

Sensor type:	built-in probe or external sensor type 40000 or 42000, TRA73, TRA74 or TRA75
Condition indication:	green, yellow and red symbols

Stethoscope

Earphone mode:	7 level amplification
Sensor type:	built-in probe sensor or external sensor type 40000

Part numbers

BC200	BearingChecker with probe, excl. options
BC250	BearingChecker without probe, excl. options

Options

CAB52	Measuring cable, 1.5 m, mini coax - BNC slip-on
CAB94	Charger cable, USB type A to mini-B USB, 1.5 m
CAS30	Carrying case, plastic with foam inlay set, 390x310x147 mm
EAR12	Headphones with eardefenders (TD-404)
TRA73	External sensor with probe (TD-250)
TRA74	Sensor with quick connector for adapters (TD-251)
TRA75	Sensor with quick connector, angled (TD-252)
18103	Cable adapter, mini-B USB to 3.5 mm stereo jack
18226	Kit for screen protection (2 pcs screen protector)
90647	Charger, 100-240 V, 50-60 Hz, 6 W
93363	Cable adapter, mini coax - BNC
93062	Cable adapter, BNC - TNC, plug-jack