BearingChecker



Make maintenance a profitable part of your production



Machine breakdowns are frequently caused by bearing damage. Timely failure prediction and detection is key to improving equipment and component reliability and cutting operating costs. Unplanned downtime, as well as unnecessary repair work, can be significantly reduced by periodically checking bearing condition.

Bearing Checker - your affordable expert

Bearing Checker makes a proactive approach to maintenance economically feasible for everyone. It is a useful and economical complement to your maintenance toolbox. Without specialized training, potential problem sources can be detected well before damage is detectable by heat or vibration.

Designed for speedy, on-the-spot evaluation of bearing condition.





SPM
condition monitoring solutions

BearingChecker



Bearing Checker – bearing condition at your fingertips

Bearing Checker is unique, being the first portable, pocketsize instrument for evaluated shock pulse measurement.

Besides shock pulses, Bearing Checker measures machine surface temperature with infrared light, and can also be used as an electronic stethoscope for listening to machine sounds.

The instrument can be used on most rotating machinery, such as electric motors, fans and pumps, in a diversity of industrial environments.

Technical data

Material, casing:	ABS/PC
Size:	158 x 62 x 30 mm (6.2 x 2.4 x 1.2 in)
Weight:	185 g (6.5 ounces) including batteries
Keypad:	sealed membrane (silicone rubber)
Display:	graphic monochrome, 64 x 128 pixels, LED backlight
Bearing condition indication:	green, yellow and red light diodes
Measurement indication:	blue light diode
Power supply:	2 x 1.5 V AA batteries, alcaline or rechargeable
Battery life:	> 20 hours of normal use
Operating temperature:	0°C to +50°C (32°F to 122°F)
Input connector:	mini coax, for external shock pulse transducers (probe or quick connector)
Output connector:	3.5 mm stereo mini plug for headphones
General functions:	battery status display, transducer line test, metric or Imperial units of measurement, language independent 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
Transducer type:	built-in probe transducer

Temperature measurement

Temperature range:	–10 to +185 °C (14 to +365 °F)
Resolution:	1 °C (1 °F)
Transducer type:	Thermopile Sensor TPS 334/3161, built-in contact free IR-sensor

Stethoscope

Earphone mode:	8 level amplification
Transducer type:	built-in probe transducer

Article numbers

BC100	BearingChecker, excl. batteries and accessories

Accessories

EAR12	Headphones with eardefenders
TRA73	External transducer with probe
TRA74	Transducer with quick connector for adapters
CAB52	Measuring cable, 1.5 m, mini coax - BNC slip-on
CAS24	Carrying case, plastic with modular insert
15286	Belt holder for external probe transducer
15287	Belt case for accessories
15288	Protective cover with wrist strap
15455	Protective cover with belt clip
16124	Protective sleeve, soft plastic
93363	Cable adapter, mini coax - BNC
93062	Cable adapter, BNC - TNC, plug-jack

* Ex version available (BC100Ex, TD-309)

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