

BearingChecker Ex



BearingChecker Ex is used for fast and easy measurement of bearing condition in preventive maintenance and is approved for use in potentially explosive atmosphere. The instrument is push button controlled and basic measurement data are entered manually.

BearingChecker Ex measures shock pulses with a built-in probe and machine surface temperature with an infrared sensor. The instrument can also be used as an electronic stethoscope for detecting machine sound irregularities.

Technical data

Certificate of conformity:	NEMKO08ATEX1374
Ex certification:	I M2/II 2G Ex ib I/IIB T4
CE number:	CE 0470
Operating temp. Ta:	0 °C to +50 °C (32 °F to 122 °F)
Material, casing:	ABS/PC, IP54 with protective sleeve
Protective sleeve:	soft plastic, conductive
Keypad:	sealed membrane (silicone rubber)
Display:	graphic monochrome, 64 x 128 pixels, LED backlight
Power supply:	2 x 1.5 V AAA batteries, alkaline
Battery life:	> 20 hours of normal use
Input connector:	mini coax, for external shock pulse transducers (probe or quick connector)
Output connector:	3.5 mm stereo mini plug for headphones
Bearing condition indication:	green/yellow/red light diodes
Measurement indication:	blue light diode
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
Dimensions:	163 x 72 x 36 mm (6.4 x 2.8 x 1.4 in)
Weight:	255 g (9 ounces) including batteries

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
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Article numbers

BC100Ex	BearingChecker Ex, excl. batteries and accessories
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Accessories

EAR12Ex	Headphones with eardefenders
TRA37	External transducer with probe, 1.5 m cable
TRA38	Transducer with quick connector for adapters
CAB52	Measuring cable, 1.5 m, mini coax - BNC slip-on
15286	Belt holder for external probe transducer
15287	Belt case for accessories
93363	Cable adapter, mini coax - BNC
93062	Cable adapter, BNC - TNC, plug-jack

