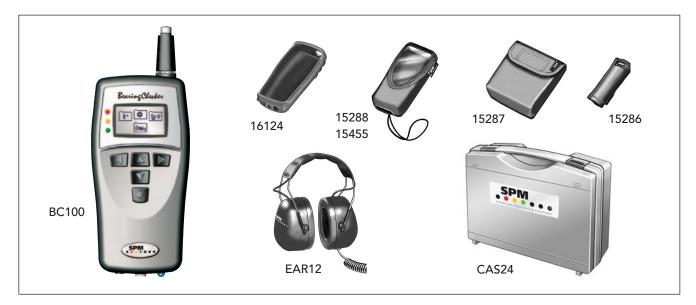
Bearing Checker



Bearing Checker 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 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

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, trans- ducer line test, metric or Impe- rial 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, <u>+</u> 3 dBsv	
Transducer type:		built-in probe transducer	
Temperature measurement			
Temperature range: Resolution:		–10 to +185 °C (14 to +365 °F) 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	Bearing Checker, 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		

93062 Cable adapter, BNC - TNC, plug-jack

* Ex version available (BC100Ex, TD-309)



SPM Instrument AB • Box 504 • SE-645 25 Strängnäs • Sweden Tel +46 152 22500 • Fax +46 152 15075 • info@spminstrument.se • www.spminstrument.com