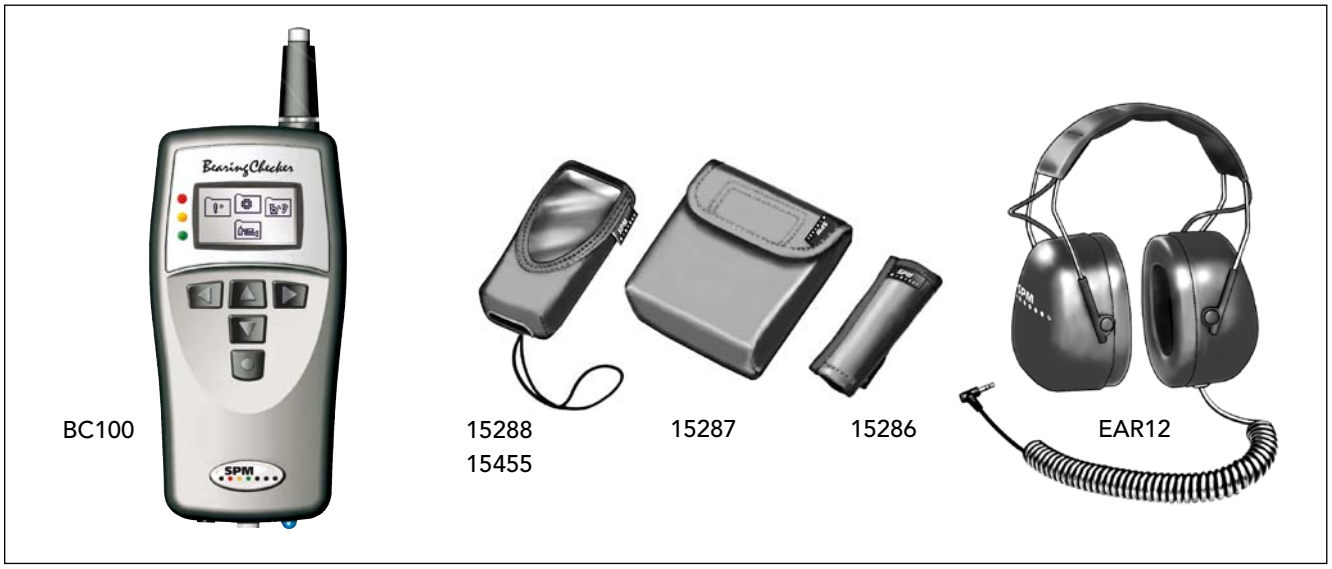
Visit TRANSCAT.com
sales@transcat.com | 800.828.1470

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.

Bearing Checker 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

Casing/cover:	ABS/PC, IP54
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:	Lemo coaxial, 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

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, Lemo - BNC slip-on
15286	Belt holder for external probe transducer
15287	Belt case for accessories
15288	Protective cover with wrist strap
15455	Protective cover with wrist strap and belt clip
93363	Cable adapter, Lemo - BNC
93062	Cable adapter, BNC - TNC, plug-jack

SPM

CE

Technical data are subject to change without notice.
ISO 9001 certified. © Copyright SPM 2006-10. TD-249 B