

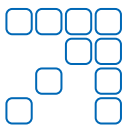
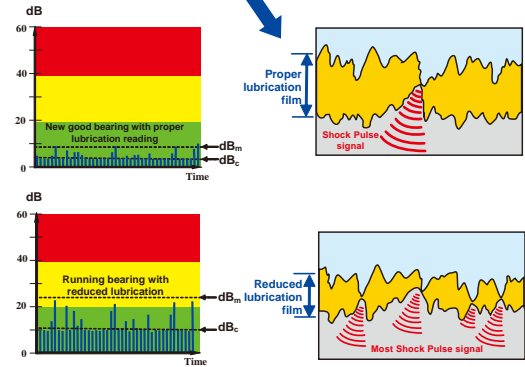
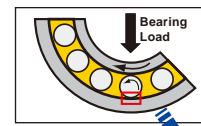
Compact Bearing Diagnostic Tester BT77

Bearing Monitoring Made Easy!

BT77 Bearing tester is a handheld, pocket-size, user friendly instrument for fast and easy measurement of bearing condition in preventive/predictive maintenance. Bearing tester measures shock pulses with an external impact probe and RPM sensor.

Modern industrial maintenance requires informed decisions on measures to optimize equipment and component performance. Timely failure prediction and detection is a key to cut machine down-time and reduce operating costs.

Machine breakdowns are frequently caused by bearing damage. Unplanned downtime, as well as unnecessary repair work, can be significantly reduced by periodically checking the pulse of bearing health!

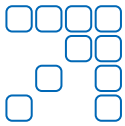


Features:

- The patented shock pulse sensors with IR tachometer make bearing condition tester a durable and multifunctional instrument.
- Using the Shock Pulse technique, bearing condition tester measures the condition of all ball and roller bearings elements of any sizes.
- The instrument is design with well protective silicon wrap for rugged maintenance field and firm gripping.
- Measurement results can be interpret easy by shock pulse normalizing table in green, yellow and red zone given an instant and reliable indication of equipment condition in an easy-to-understand way.
- External probes allow ease access with proper measurement location that is hard to reach compare to built-in sensor type of instruments.
- Rechargeable battery save the trouble of battery replacement and money. Automatic shut-off conserves battery power. When turn on, BT77 resumes its last mode.

Sample report from conspect software

Date /time	Tunings			Measurements		Results of diagnostics, recommendations	Bearing	Lubri cation
	N (RPM)	Inner bear dia	Invit level	dBm	dBc			
<i>Yamazen / Production Flr / Good Stk / 0514 095219</i>								
05/14/07 10:24:00	200	80	7	24	16	The generation of defects of bearing. Satisfactory condition of lubricant. Partial additive of lubricant.	☹️	☹️
05/14/07 10:27:04	1000	65	20	12	8	Good state of bearing. Good state of oil.	😊	😊
05/14/07 10:29:56	2000	65	26	11	6	Good state of bearing. Good state of oil.	😊	😊
05/14/07 10:31:28	5000	65	34	11	7	Good state of bearing. Good state of oil.	😊	😊
05/14/07 10:33:04	1000	80	21	10	4	Good state of bearing. Good state of oil.	😊	😊
05/14/07 10:34:40	2000	80	27	10	3	Good state of bearing. Good state of oil.	😊	😊
05/14/07 10:36:14	5000	80	35	16	8	The generation of defects of bearing. Good state of oil.	☹️	😊
05/14/07 10:39:48	200	65	6	27	18	The generation of defects of bearing. Satisfactory condition of lubricant. Partial additive of lubricant.	☹️	☹️



Compact Bearing Diagnostic Tester BT77 Technical Specifications

BT77 & Sensor

Housing material	IP65 chassis w. silicon protector against drop shock
Operating temperature	-10°C to 55°C
Battery life	Approx. 10 hrs continuous operating, typical w/o backlife
Automatic shutoff	Approx. 150 seconds
Hand-held sensor	External sensor probe, patent №UA18652
Probe length	200mm
Resonance frequency	32kHz
Power indicator	LED
Measurement unit	Carpet Value (dB _c) and Max Value (dB _m)
Range	99dB _m
Resolution	1dB _i
Accuracy	± 5dB
Memory capacity	2MB
Output interface	High speed USB port
Dimensions	Approx. 60 x 110 x 30mm



Tachometer, T1-7

Operating temperature	-10°C to 55°C
Sensor distance	Up to 1 m (39")
Range, N	50 - 30,000rpm
Resolution	1rpm

Carrying Case

Standard	PP with form inserted
Case dimension	Approx. 420 x 295 x 105mm
Weight incl. all std parts	2.3Kgs

Standard Delivery:

1. BT77 display unit w/built-in rechargeable battery
2. Bearing condition probe w/cable attached
3. Tachometer w/1.5m cable attached
4. Magnetic mounting stand for Tachometer
5. AC charger, 230 Volts-50Hz
6. USB cable, 1.5m
7. Luminous marker
8. Conspect PC software & Operating manual in CD -ROM
9. Carry case w/ form inserted
10. Maker Calibration & Quality certificates



01/08 Specifications subject to change without notice.

Representative: