

Bearing Tester

TIMKEN
Where You Turn

Portable Condition Monitoring Instrument

The Timken Company provides a wide range of condition monitoring products and services. With more than 100 years of experience in industrial applications, Timken can help you maximize uptime with the development of cost-effective solutions to achieve maximum output and reliable service. The newest addition to Timken's portfolio of condition monitoring solutions is the Bearing Tester. The Bearing Tester provides:

- **Shock pulse analysis** for immediate evaluation of the bearing and lubrication condition.
- **Portable** and pocket-sized.

- **Infrared sensor** for surface temperature measurement.
- **Stethoscope** function for detecting sound irregularities.

The Bearing Tester is reliable, affordable and easy to use. The compact and lightweight design make the Bearing Tester a convenient tool for assessing the health and lubrication condition of ball- and roller-type bearings in many industrial environments.

The Bearing Tester is an economical solution for any frontline maintenance person or machine operator interested in periodic monitoring of bearings and critical equipment. This

instrument is an ideal complement to an existing predictive maintenance program or can be the start of a newly adopted program.

The Bearing Tester utilizes shock pulse analysis for early detection of bearing damage and marginal lube film conditions. A built-in microprocessor analyzes the shock pulse patterns from the bearing, and the LED provides an immediate evaluation on a green-yellow-red condition scale. The Bearing Tester also has an infrared sensor to measure surface temperature and a stethoscope function to detect sound irregularities using headphones.



Features:

- Portable and pocket-sized with built-in sensors.
- Measures shock pulse for early detection of bearing damage and/or marginal lube film conditions.
- Infrared temperature sensor measures surface temperature.
- Electronic stethoscope function detects sound irregularities.
- Readings given on green-yellow-red condition scale. Stores up to 10 readings.
- Automatic Power Off conserves battery power. When switched back on, the Bearing Tester resumes its last mode.

Benefits:

- Helps detect bearing problems before malfunctions occur.
- Aids in preventing unplanned downtime and unnecessary repairs.
- Helps reduce operating costs.
- Easy to use. No specialized training required.

Fully Committed

In every industry, the goal is the same – maximize uptime, safety and profitability. Any unscheduled downtime must be avoided. Any unsafe condition must be identified. Any repair must be made immediately.

The Timken Company has a broad offering of condition monitoring products and services that includes portable instruments, continuous monitoring devices and online systems. We can help you maximize uptime with the development of cost-effective solutions to achieve maximum output and reliable service. Increasing the useful life and productivity of your machinery directly impacts the bottom line.

When you choose Timken, you gain access to an industry leader with more than 100 years of experience in industrial applications. Every facet of our business is driven by one thing – exceeding the expectations of our customers. You can rely on Timken for products, services and ongoing technical support to help maximize uptime, reduce maintenance costs and improve productivity. Timken is committed to being your friction management solutions provider.



Ordering information:

Part No.	Description
BT2100	Bearing tester with shock pulse, infrared temperature and stethoscope functionality (protective cover included)
BT2100 SET	Complete set comprised of BT2100, EAR12, TRA73T and CAS2100
Optional Accessories:	
EAR12	Earphones for BT2100
TRA73T	Handheld probe with cable, 5 ft. long
TRA74T	Quick-connector transducer with cable, 5 ft. long
CAS2100	Carrying case for the BT2100 SET



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Bearings • Steel •
Precision Components • Lubrication •
Seals • Remanufacture and Repair •
Industrial Services
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Printed in USA
10M 04-07-29 Order No. 10053