CHECKING (MONITORING)

BETEX BEARING CHECKER

An economic three- in-one-instrument for condition monitoring.
Bearing Checker is unique, being the first portable, pocketsize instrument (weight 185 g, size 158 x 62 x 30 mm) for evaluated shock pulse measurement. Besides shock pulses, Bearing Checker measures machine surface temperature with infrared light, and can also be used as an electronic stethoscope for listening to machine sounds.

The instrument can be used on most rotating machinery, in a diversity of industrial environments, such as:
- electric motors
- fans
- pumps

Bearing Checker - your affordable expert
Machine breakdowns are frequently caused by bearing damage. Unplanned downtime, as well as unnecessary repair work, can be significantly reduced by periodically checking bearing condition.

The Bearing Checker is inclusive:
- Infra-red thermometer
- Electronic Stethoscope
- Manual, quick-start instruction
- DVD with technical documentations
- Batteries

Advantages:
- proactive approach to maintenance
- useful and economical complement to your maintenance toolbox
- no specialized training
- potential problem sources can be detected well before damage is detectable by heat or vibration.

CHECKING (MONITORING)

BETEX VIBCHECKER vibration monitoring

VibChecker – portable and user friendly vibration measurement
VibChecker is a light and compact-sized instrument for vibration measurement in the 10-1000 Hz frequency range. Measurement results are immediately and automatically evaluated against ISO standards. Green - yellow - red LEDs indicate vibration severity and a real time FFT spectrum is produced for easy pattern recognition. Results can be stored for documentation and follow-up.
With its built-in probe, easy button operation and clear symbols, VibChecker is an all set to go instrument; just point the probe and measure to locate vibration-related problems.

Vibration monitoring is a cost-effective predicitive maintenance tool.
In most cases, vibration measurement can detect a problem long before damage to the machine is done. The repair of equipment failing while in service is many times costlier than planned repairs made possible through vibration monitoring.

Minding your machinery
Machine vibration is the cause of many problems in industrial equipment. Integrated in your normal maintenance activities, periodic vibration measurement with VibChecker will go a long way to help keep your equipment operational. VibChecker combines handiness and ease of use with cost effectiveness and durability. Suited to both new and experienced users, VibChecker covers the basic vibration monitoring needs of your maintenance organization.

CHECKING (MONITORING)

LASER THERMOMETER

Our digital laser thermometers are ideal for fast and safe measurement of liquids, gases, and many other substances, also suitable for temperature measurements of motors, brake systems, heating systems, etc. The built-in laser pointer can determine the correct measuring point distance, measured value can then be within half a second read and recorded automatically.

The thermometers all have:

- Backlit display
- Precision 0.1°C
- Automatic "hold" function
- Readable temperature of 0.1°C
- Measurement in Celsius or Fahrenheit

BETEX 1220 - LASER TEMPERATURE TO 300°C

- Measurement range: -50°C - 300°C
- Fast response time (within 0.9 sec.)
- Dimensions: 155x50x72 mm
- Incl. batteries
- Weight: 68 gr.

BETEX 1230 - LASER TEMPERATURE TO 380°C

- Measurement range: -50°C - 380°C
- Max. height: 1500mm
- Fast response time (within 0.5 sec.)
- Dimensions: 185x135x38 mm
- Incl. batteries
- Weight: 150 gr.

BETEX 1250 - LASER TEMPERATURE TO 1000°C

- Measurement range: -50°C - 1000°C
- Max. height: 1500mm
- Fast response time (within 0.5 sec.)
- Dimensions: 170x50x90 mm
- Power supply: one 9V battery (included) and carrying case with strap
- Weight: 178 gr.

BETEX 1300 - TEMPERATURE TO 1370°C

- Measuring range: -100°C - 1370°C
- Also suitable for surface measurement
- Dimensions: 120x68x31 mm
- Incl. batteries
- Weight: 112 gr.

CHECKING (MONITORING)

DECIBEL METER / TACHOMETER / STETHOSCOPE

DECIBEL METERS - SOUND METER

With this professional microprocessor controlled sound level meter you can accurately measure the volume. The meter is carried out in a robust ABS housing and is designed such that it is to handle comfortably.

The instruments feature an extra large display with digit height 20 mm. The meters also have a hold function to hold the measurement data on the display and has the capability to carry out measurement interval, wherein the time between each measurement can be set up. In these measurements, the time, and sensitivity to be selected independently. Also, it is possible to store the highest value automatically

BETEX 1500
- Measuring range: 30-130 dB (A)
- Frequency: 31.5 Hz - 8500 Hz
- Resolution: 0.1 dB
- AC adapter connector
- Dimensions: 260x69x32mm
- Weight: 270 gr

Includes:
- Windcap for microphone
- PE storage case and instruction guide
- Battery

BETEX 1510
- Measuring range: 40-130 dB (A)
- Frequency: 31.5 Hz - 8500 Hz
- Resolution: 0.1 dB
- AC adapter connector
- Dimensions: 260x69x32mm
- Weight: 350 gr

Includes:
- Windcap for microphone
- PE storage case and instruction guide
- Standard
- Battery

BETEX 1620 – DIGITAL LASER TACHOMETER

This digital laser tachometer is very suitable for maintenance and servicing of engines, rotating equipment and machines.

- 5-digit 10mm LCD display.
- Test Range of measurement: 5 to 99,999 rpm.
- Display: 0.1 r.p.m.. at 0.5 to 999.99 r.p.m.
- Display: 1.0 r.p.m. above 1000 r.p.m.
- Accuracy + / - 0.5%
- Measuring distance 50 to 300 mm.
- Memory: last, maximum and minimum measured value.
- Dimensions: 72x190x37 mm.
- Weight: 250 grams.

Includes:
- 3 Reflective tape strips.
- Carrying case and instruction manual
- Battery

BETEX ELS12 ELECTRONIC STETHOSCOPE

For preventive maintenance on installations and rotating equipment. A simple method to detect machine failure in a noisy environment. The need to eavesdrop on mechanical sounds within machinery is essential in any maintenance department. Mechanical faults can often be heard. The problem is to locate the sound source quickly and accurately in a generally noisy environment.
The electronic stethoscope is a sensitive listening stick, for location of all kinds of machinery noise. Valve chatter, tappet noise, piston slap, gear and pump noise and the operation of relays and solenoids are just a few of the many noises that may be traced, amplified and assessed with this device. ELS-12 can also be connected to a tape recorder.

- Temperature range: 0°C to +55°C
- Strong housing in black ABS moulding.
- Lightweight, with 290 mm measuring probe tip, only 300 grams.
- Alkaline 9V battery provides a long operating time, approx 30 hours in normal use.
- Includes: headphones and bag
- Measuring rod: 60 mm and 290 mm
- Dimensions: 205x50x40 mm