VibChecker

Vibration monitoring
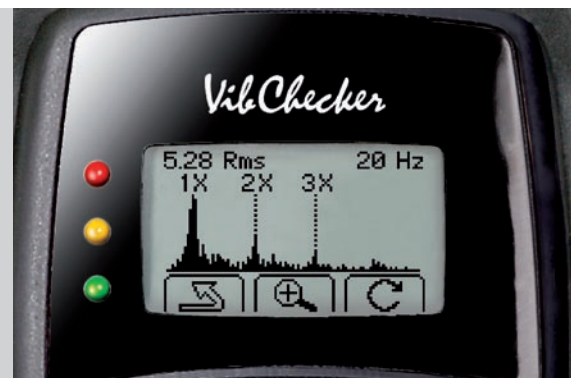## - a moneymaking strategy

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.

VibChecker - 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.

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On-site measurement and FFT spectrum analysis in just seconds

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.

Technical specifications

Frequency range	10 to 1000 Hz
Readings	RMS/peak/peak-to-peak
Measuring range RMS	
Velocity	0.5 – 49.9 mm/s (0.02–2.0 in/s)
Acceleration	0.5 – 49.9 m/s^2 (0.05 – 5.1 g)
Displacement	0.5 – 99.9 µm (0.02–3.94 mils)
Condition evaluation	according to ISO 2372 and ISO 10816 Part 2, 3, 4 >600 rpm
Spectrum	linear, 200 lines, Hanning window, Hz/cpm, optical zoom, markers
General functions	battery status display, transducer check, metric or imperial units, language independent menus with symbols, storage of up to 12 measuring samples
Condition indication	green, yellow and red LED
Measurement indication	blue LED
Display	graphic monochrome, 64 x 112 pixels, LED backlight
Keypad	sealed membrane (silicone rubber)
Material, casing	ABS/PC
Power supply	2 x 1.5 V AA batteries, alcaline or rechargeable
Battery life	> 20 hours of typical use
Internal transducer	accelerometer type MEMS

Input connector	mini coax, for external transducer
External transducers	vibration transducer TRM100 or IEPE (ICP®) type transducers with voltage output
Output connector	3.5 mm stereo mini plug for calibration and software update
Operating temperature	0 °C to +50 °C (32 °F to 122 °F)
Dimensions	158 x 62 x 30 mm (6.2 x 2.4 x 1.2 in)
Weight	approx. 185 g (6.5 oz) including batteries

Article numbers

VC100	VibChecker, excl. batteries and accessories

Accessories

TRM100	External transducer with integral magnet and 1.5 m cable
15287	Belt case for accessories
15288	Protective cover with wrist strap
15455	Protective cover with belt clip
15962	Protective sleeve, soft plastic
93363	Cable adapter, mini coax - BNC
93062	Cable adapter, BNC - TNC, plug-jack
CAB52	Measuring cable, 1.5 m, mini coax - BNC slip-on