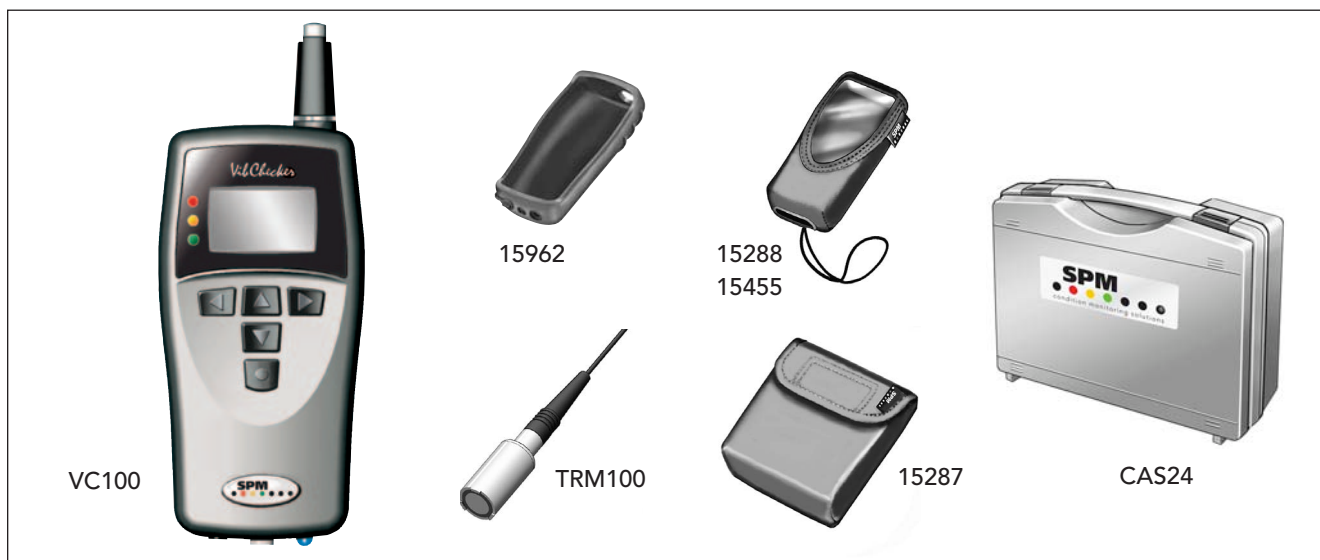


VibChecker



VibChecker is an instrument for fast and easy measurement of machine condition in preventive maintenance. The instrument and the monitoring technique are based on the recommendations of ISO 2372 and ISO 10816 standards for broad band measurements of vibration. These standards make the assumption that limited information, obtained easily and at a low cost, is often as use-

ful as a detailed analysis using expensive equipment and elaborate techniques.

VibChecker has a built in probe transducer. It is push button controlled and basic measurement data are entered manually. Evaluated measuring results are indicated by green-yellow-red LEDs and a real time FFT spectrum is produced for easy pattern recognition.

Technical specifications

Frequency range:	10 to 1000 Hz
Readings:	RMS/peak/peak-to-peak
Measuring range:	
Velocity	0.5–49.9 mm/s RMS (0.02–2.0 in/s RMS)
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, alkaline 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:	158x62x30 mm (6.2x2.4x1.2 in)
Weight:	approx. 185 g (6.5oz) 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
CAB78	Measuring cable, 1.5 m, mini coax - 2 pin
CAS24	Carrying case, plastic with modular insert

* Ex version available (VC100Ex, TD-318)

