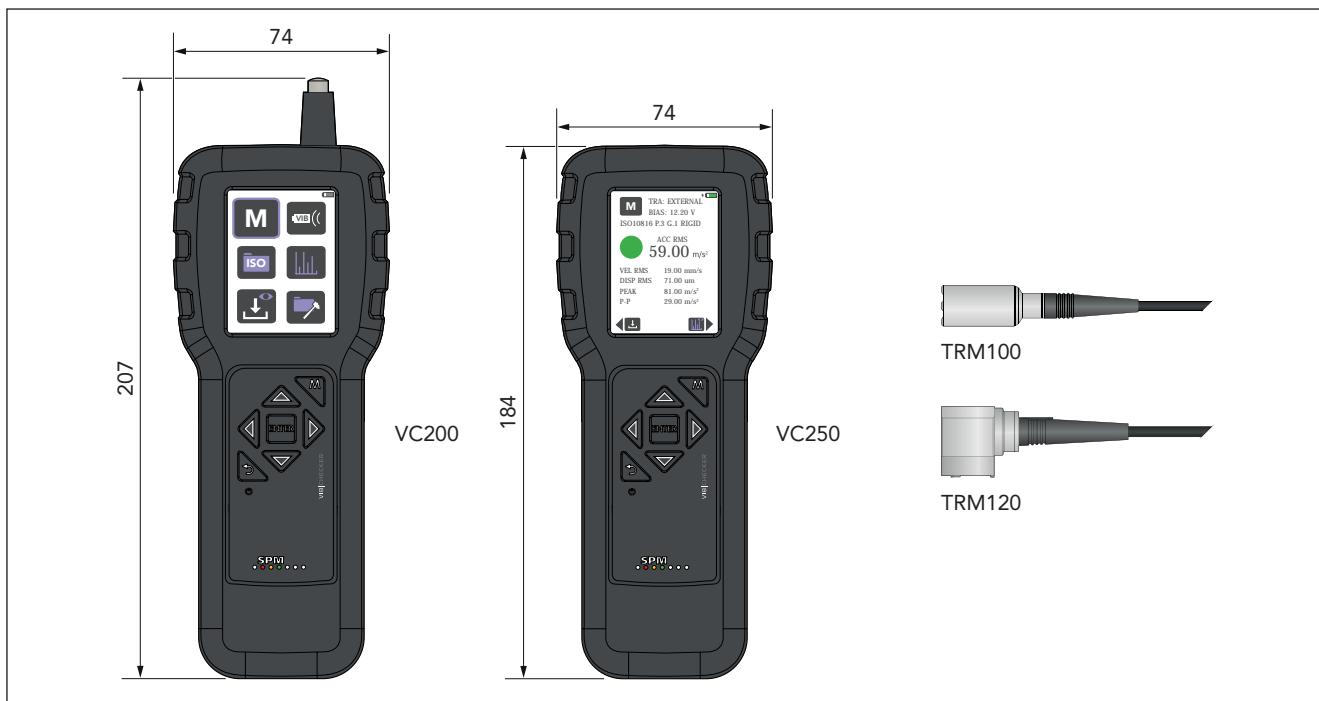


VibChecker



VibChecker is an instrument for fast and easy measurement of machine condition in preventive maintenance. It is based on the recommendations of ISO 2372 and ISO10816 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 useful as a detailed analysis using expensive equipment and elaborate techniques.

Technical specifications

Frequency range:	10 to 1000 Hz
Readings:	RMS/peak/peak-to-peak
Measuring range (sinus signal and 100 mV/g accelerometer):	
Velocity RMS	100 mm/s (4 ips) at 80 Hz
Acceleration RMS	100 m/s ² (10 g) at 10-1000 Hz
Displacement RMS	100 um (4 mil) at 80 Hz
Condition evaluation:	according to ISO2372 and ISO10816 Part 2, 3, 4 >600 rpm
Spectrum:	linear, 200/400/800 lines, Hanning window, Hz/cpm, zoom, RPM markers
Time signal:	512/1024/2048 samples, zoom, marker
General functions:	battery status, transducer check, metric or imperial units, language independent menus, storage of up to 10 measuring samples
Condition indication:	green, yellow and red symbols
Display:	2.4" Color TFT LCD Display
Keypad:	sealed, snap action
Material, casing:	copolyester/TPE
Protection class:	IP65
Power supply:	3.63 V Lithium Ion, USB rechargeable
Battery life:	> 25 hours of normal use
Internal transducer:	accelerometer type MEMS
Input connector:	mini coax, for external transducer

The instrument measures either with a built-in probe (VC200) or with an external transducer. It is push button controlled and basic measurement data are entered manually. Evaluated measuring results are indicated by green-yellow-red symbols, and a time signal and its FFT spectrum are produced for easy pattern recognition. Measurement results can also be transferred to a file for further processing, e.g. in Microsoft Excel.

External transducers: vibration transducer TRM100/ TRM120 or IEPE (ICP[®]) type transducers with voltage output

Output connector: mini-B USB

Operating temperature: -10 °C to +50 °C (14 °F to 122 °F)

Size:

VC200: 207x74x41 mm

(8.1x2.9x1.6 in)

VC250: 184x74x41 mm

(7.2x2.9x1.6 in)

Weight:

VC200: 335 g (11.8 ounces)

VC250: 300 g (10.6 ounces)

Part numbers

VC200 VibChecker with probe, excl. options

VC250 VibChecker without probe, excl. options

Options

CAB52 Measuring cable, 1.5 m, mini coax - BNC slip-on

CAB78 Measuring cable, 1.5 m, mini coax - 2 pin

CAB94 Charger cable, USB type A to mini-B USB, 1.5 m

CAS30 Carrying case, plastic with foam inlay set, 390x310x147 mm

TRM100 Transducer with integral magnet, straight, 1.5 m

TRM120 Transducer with integral magnet, angled, 1.5 m

18226 Kit for screen protection (2 pcs screen protector)

90647 Charger, 100-240 V, 50-60 Hz, 6 W

93363 Cable adapter, mini coax - BNC

93062 Cable adapter, BNC - TNC, plug-jack



Technical data are subject to change without notice.

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