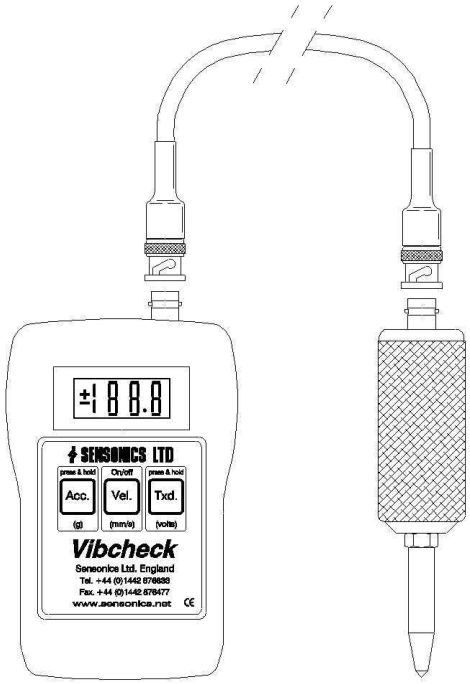
TECHNICAL INFORMATION

PREDICTIVE MAINTENANCE SYSTEMS

SENSONICS LTD

Vibcheck - Portable Vibration Meter



- VIBRATION MANAGEMENT IN ACCORDANCE WITH ISO10816 GUIDELINES
- EASY TO USE
- LOW COST
- SMALL
- LIGHTWEIGHT
- ENTRY LEVEL FOR VIBRATION MONITORING
- ALSO CHECKS SWITCHBOX WIRING
- MEASURES VIBRATION IN VELOCITY OR ACCELERATION

A pocket sized vibration meter with hand-held accelerometer probe, ideal for checking the condition of rotating plant. The Vibcheck not only displays vibration levels in velocity terms but also acceleration for special applications. There is also a very useful facility to check the functionality of accelerometers, by means of the bias voltage.

The standard Vibcheck kit includes; the meter (batteries included), handheld accelerometer, interconnection cable, contact spike, carry case and instruction booklet, with tips on the use of vibration monitoring.

Specification

Vibration Meter

Size	:	125mm x 80mm x 35mm
Weight	:	180 gms
Power Supply	:	1 x PP3 type 9V battery, reverse protected
Signal Input	:	100mV/g via BNC socket
Display Type	:	LCD 3½ digit
Display Units	:	Vibration: Velocity 0-50mm/s True RMS Acceleration 0-20g Bias: Volts
Frequency Range	:	10Hz – 1kHz (velocity) 10Hz – 10kHz (acceleration)
Accuracy	:	Vibration: ± 0.1mm/s (± 0.1g) Bias: 5%
Battery Life	:	30 hours, dependent on battery type. Indicator on Display warns of low battery

Hand Held Accelerometer

Size	:	ø32mm x 80mm
Weight	:	172 gms
Type	:	Piezo Electric
Sensitivity	:	100mV/g
Connection	:	BNC socket
Mounting Thread	:	¼"UNF female

Interconnection Cable

Connectors	:	BNC plug both ends
Cable Length	:	1.2 metres straight

Spike

Material	:	Stainless Steel
Mounting Thread	:	¼"UNF male
Length	:	50mm
Weight	:	24 gms

Handbook

With hints and tips for successful use of Vibcheck.

Options

- Stud length options: 25mm
  100mm
  200mm
- Rechargeable battery and charger
- Quicklock studs for repeatable results
- Magnetic mounting base
- Cable options: Coiled cable Armoured cable
  Cable length Connector variants
- Fixed accelerometers for inaccessible or inhospitable measurement points

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