INNOVATEST®

Advanced Materials Testing Solutions

VG SERIES



VG 100/110/120
Vibration testers



VG100
with integrated probe

VG110
with external probe

VG120
with temparature reading

Features

- Basic compact analyser for predictive maintenance of machinery
- For checking of unbalance, misalignment, bearings and gears
- Integrated accelerometer (VG-100) or external accelerometer with cable and magnetic base (VG110/12)
- Low frequency mode Lo-RMS to test low vibrations
- High frequency mode to test average acceleration (Hi AVE) and single peak displacement (Hi PEAK)
- Temperature probes for contact temp and liquids (VG120)
- Large frequency range
- Battery power 9V

Technical specifications

Standard	Conforms to ISO 2954, ISO 2372
Accuracy	Vibration ±5% of display value (±2 digits) Temperature: ±1% of display value (±1 digit) (only VG120)
Acceleration	0.0 to 19.99mm/s² (Hi AVE mode) (VG100) 0.1m/s² to 199.9m/s² (Hi AVE mode) (VG110)/120
Probe vibration	External accelerometer with magnetic base and cable (VG110/120)
Probe temperature solid	Test metal surface temperature to detect hitches maximum 400°C (VG120)
Probe temperature liquids	Test liquids temperature maximum 400°C (VG120)
Velocity	RMS 0.0 - 199.9mm/s (Lo RMS mode), RMS 0.001 - 19.99cm/s (Lo RMS mode) (VG110/120)
Displacement	Single peak value 0.0mm - 199.9mm (Hi PEAK mode) (VG100) Single peak value 0.001mm - 1.999mm (Hi PEAK mode) (VG110/120)
Frequency range	10Hz - 1 kHz (Lo), 1 kHz - 10 kHz (Hi)
Display	LCD, test value in 3.5 large digits
Power supply	One 9V battery (20 hours continuous use)
Dimensions	185mm x 90mm x 34mm
Weight	260gr or 300gr incl. battery

Standard delivery

- Instrument
- Integrated probe (VG100) or external probe with magnetic base and cable (VG110/120)
- Nose temperature probe for solid material up to 400°C (VG120)
- Nose temperature probe for liquids up to 400°C (VG120)
- 9V battery
- Protective carrying case
- Manual
- INNOVATEST® certificate

Order details

VG100 Vibration tester with integrated probe
VG110 Vibration tester with external probe
VG120 Vibration tester with external probe for temperature reading

Nose temperature probe for solid material up to 400°C (onLY VG120)



Nose temperature probe for liquids up to 400°C (onLY VG120)



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