



- ■With built-in amplifier, compact and lightweight
- Suitable for vibration measurement and mode analysis of lightweight structures.
- Available for reading sensor parameters by connecting to TEDS applicable instruments

Piezoelectric Accelerometers Compact, lightweight, Compact, lightweight Compact, tri-axial General-purpose With built-in amplifier TEDS applicable NEW Photo Model **PV-90T** PV-90I PV-41 Specifications Shear Principle Shear Shear Shear Mass g 2 8 1.8 23 Voltage sensitivity mV/(m/s²)* 0 44 0.5 1.1 1 02 Vibration frequency range Hz* 1 to 7 000 (Z) 1 to 5 000 (X·Y) (±10 %) 3 to 20 000 (±1 dB) 3 to 10 000 (±1 dB) 1 to 12 000 (±10 %) Mounting resonance frequency kHz*2 50 60 50 Transverse sensitivity 5 % or less 5 % or less 5 % or less 4 % or less VP-53K M3 screws · 0.5 Standard mounting method, Screw torque N-m VP-53K M3 screws • 0.5 Bond VP-53A M6 screws · 3.5 Maximum measurable acceleration m/s2 (peak) 7 000 5 000 5 000 2 000 Base distortion sensitivity (m/s²)/µstrain 0.1 0.05 0.1 0.03 Thermal transient response (m/s²) / °C 10 1.0 0.01 Ambient temperature range for operation / °C -20 to +100 (TEDS: -20 to +85) -20 to +125 -20 to +100 -20 to +100 Case material Titanium Titanium Titanium Stainless steel Connecting equipment 2 mA to 4 mA regulated power supply 2 mA to 4 mA regulated power supply 2 mA regulated power supply 2 mA regulated power supply External dimensions mm φ6.7 Dimensions mm 7 (Hex) ×11.4 (H) 12 (H)×12 (W)×12 (D) 7 (Hex)×11 (H) 17 (Hex)×18.5 (H) Supplied Cable VP-51L VP-51W VP-51L VP-51A accessories VP-53K×2, VP-53W×1 VP-57ES (Option) VP-53K×2, VP-53W×2 VP-53A Attachment, Single-head spanner (7 mm), Single-head spanner (7 mm) Adapter Hex wrench 1.5 Hex wrench 1.5, Dual-sided adhesive tape

*1 Representative value; actual value is noted on calibration sheet supplied with accelerometer.

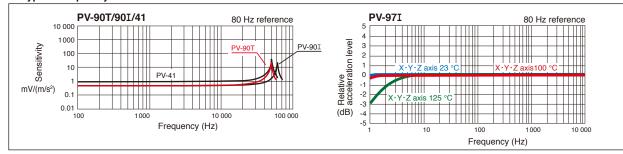
2 Representative value when mounted on flat surface according to standard mounting method (*3). *4 100 °C or less 1 000 m/s² or less

 Please take care not to drop accelerometers and carefully handle them with attachments. There is likely to be trouble of piezoelectric accelerometers by (giving) excessive shock. The excessive shock carries some damages onto piezoelectric ceramic element.

■ Noiselevel of acceleration (m/s²)

General-Purpose Vibration Meter	VM-83	0.2	0.04	0.2	0.025
Vibration Meter Unit	UV-15	0.2	0.04	0.2	0.025
2-channel Charge Amplifier	UV-16	0.2	0.04	0.2	0.025

Typical frequency characteristics



ISO 14001 RION CO., LTD ISO 9 0 0 1 RION CO., LTD

* Specifications subject to change without notice.

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