

INTRODUCING THE ALL NEW **RION XV-2P** FROM RION SOUND & VIBRATION

Rion have developed a brand new vibration meter, the Rion XV-2P, which enables simultaneous measurement of Tri-Axial PPV, Dominant Frequency, Displacement and VDV covering the requirements of both BS 5228: Part 2, BS 6472: Part 1 and BS 7385: Part 2.

The XV-2P has a simple user interface, very like the Rion NL-52 Sound Level Meter, and a superb colour display. In typical Rion fashion the data is stored as a Comma Delimited Text File to an SD card so it can be opened straight into Excel.



Simultaneous PPV, VDV, Dominant Frequency & Displacement

- Specifically designed for groundborne vibration measurements
- Remote access to data via ANV's  web-based monitoring platform
- Long-term unattended measurements with optional outdoor protection & external batteries



- ISO 8041 and DIN 45669: Part 1 Class 1 Compliant
- Lower operating frequency 0.5Hz
- Upper operating frequency range sensor dependent
- Data stored as CSV files directly to an SD Card
- Up to 24 hours battery life with internal batteries (8x alkaline AA Cells)

**RION**

XV-2P Specification

Product Type	3 Axis Vibration Meter
Model	Rion XV-2P
Applicable Standards	DIN 45669-1 (2010) BS 6472-1, BS 5228-2, ISO 8041 CE Marking (EMC Directive 2004/108/E Low Voltage Directive 2006/95/EC) WEEE Directive
Measurement Functions	3 Axis
Processing Measurement	Accordance with DIN 45669-1 (2010) Peak Particle Velocity (PPV) Dominant Frequency Maximum cycle-averaged KBF value over the i-th cycle KBFTi Accordance with BS 6472 & ISO 8041 Time-averaged weighted acceleration value Running RMS acceleration value Maximum Transient Vibration Value (MTVV) Vibration Dose Value (VDV) Crest Factor Others Displacement
Frequency Range	Frequency ranges can be selected separately. For Acceleration Lower: 0.5Hz, 1Hz, 4Hz Upper: 80Hz, 100Hz, 250Hz - sensor dependent
Measuring Range	Velocity 0.03 to 100mm/s (at 1 to 80Hz range) Acceleration (rms) 0.001 to 10m/s ² Displacement (0-p) 0.01 to 10mm (at 0.5 to 16Hz range)

Frequency Weighting	None (with band limiting filter, according to ISO and DIN) KB (DIN 45669-1) Wb, Wd, Wm (BS 6472, ISO 8041)
USB	Mass storage class Connects to a computer as a storage device and SD card recognised as a removable disk. Communication device class (virtual COM) Allows control with communication commands using communication device class
RS-232C	Allows RS-232C communication using dedicated cable (I/O connector is used)
Power Requirements	8 x AA batteries or external 6v power supply
Size (Maximum)	Approx. 175mm(H) x 175mm(W) x 53mm(D)
Weight	Approx. 780g (including batteries)
IP Rating	IP54
Accelerometer	3 Axis Accelerometer (PV-83C) Reference sensitivity 60mV/(m/s ²) Ambient conditions -10 ~ +50°C (no condensation) Waterproofing rating IPx7
Size	Approx. 67mm x 41mm (excluding connection cord)
Weight	Approx. 335g