



VT24 Geophone technical data sheet (at 20°C)

Natural frequency (Hz)	$10 \pm 2.5\%$
Open circuit damping	$0.25 \pm 5\%$
Damping with shunt resistance	$0.60 \pm 5\%$ (1339 Ω) $0.686 \pm 5\%$ (1000 Ω)
Intrinsic voltage sensitivity (V/cm \cdot s ⁻¹)	$0.288 \pm 2.5\%$
Sensitivity with shunt resistance (V/cm \cdot s ⁻¹)	$0.225 \pm 2.5\%$ (1000 Ω) $0.209 \pm 2.5\%$ (1000 Ω)
Coil resistance (Ω)	$395 \pm 2.5\%$
Distortion	$< 0.1\%$
Typical spurious frequency (Hz)	≥ 240
Suspending mass (g)	$11.0 \pm 2.5\%$
Case to coil motion p-p (mm)	2.0
Maintains specification to tilt	10°
Basic unit diameter (mm)	25.4
Basic unit high (mm)	32
Operating temperature (°C)	-40 to +90
Warranty (year)	3