

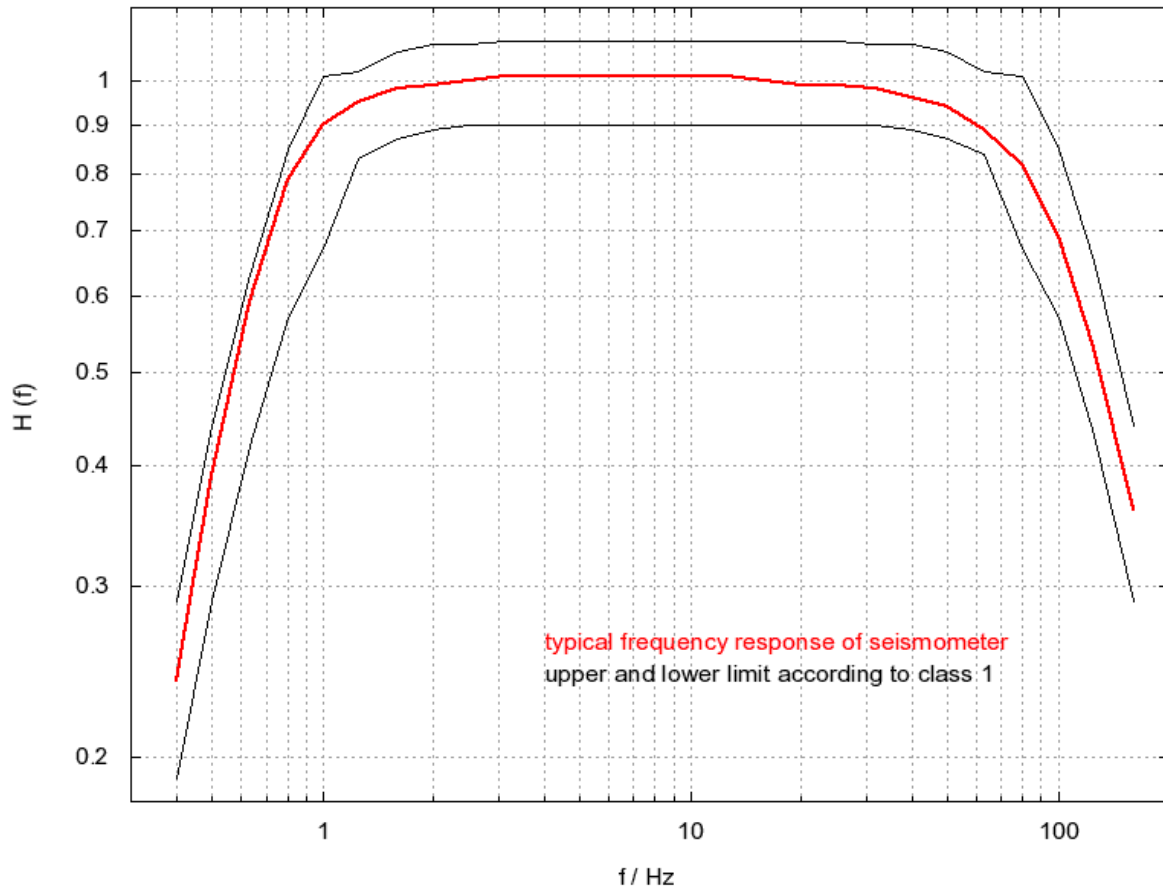
SINUS Triax Seismometer



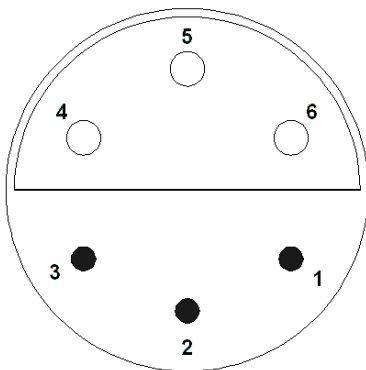
Technical Specifications

Type	triaxial velocity sensor with linearized frequency response
Principle	active, electronically equalized seismometer
Sensitivity	27.7 V/ms ⁻¹
Case-to-coil motion	4 mm p-p
Frequency range	1 – 80 Hz (902220.3) or 1 - 315 Hz (902219.7) (linear ±10% frequency response)
Dynamic range	typically 123 dB
Lower detection limit	typically 350 nm/s (according to DIN 45669)
Linearity / Phase	according to DIN 45669 (class 1)
Cross axis sensitivity	according to DIN 45669 (< 5%)
Power supply	ICP 2...20 mA
Output voltage	±10 V
Temperature range	-30°C ... +60°C
Housing	Aluminium
Protection	IP 65 (splash-proof)
Dimensions	150 mm (contact points diameter 130 mm) x 90 mm
Weight	2.0 kg
Connection	3 x ICP via LEMO FFP.2S.306
Cables	Seismometer cable splitter (902241.2, included) (X: green, Y: blue, Z: red) Seismometer extension cable 25 m on drum (902240.4)

Amplitude Frequency Response of SINUS Seismometer (902220.3)



Connector Pin Assignment



end-on view on connector plug

Pin	Signal
1	Z-GND
2	Z
3	X-GND
4	X
5	Y-GND
6	Y