

# Reliable measurements.



## LE-3D/BH(s) MkIII

High performance  
three - component  
1Hz borehole seismometer

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The LE-3D/BH seismometer is the borehole version of the LE-3Dlite and the best solution for challenging and urban sites. The seismometer is very robust, ultra-slim and has an ultra-low power consumption. This sensor type is offered in two versions: one for orientated installations with holelock mechanism and one for simplified installations in sand.

### Essential features and characteristics:

- robust instrument
- stainless steel casing
- protection class IP68
- ultra-small diameter
- ultra-low power consumption
- uniform sensitivity and transfer function
- orientated installation with holelock possible

Eigenfrequency	1 Hz
Upper frequency limit	100 Hz
Transduction factor	800 V/(m/s)
Output signal	3 analog voltages, 30 Vpp differential
Power supply	+10 ... +16 V DC, <6 mA @ 12 V
Dimensions	62 mm diameter, 880 or 1080 mm length
Weight	8.5 or 9.0 kg
Temperature range	-15°C ... +60°C
RMS noise @ 1 Hz	< 3 nm/s
Dynamic range	> 136 dB