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## 3D Land Geophone -HVSR-MASW-Holisurface GEMINI 2 Hz ZI 10008

Standards:

Specification:

### Data acquisition board specifications:

- Power supply: through USB port
- Sampling rate: from 20Hz to 8000 Hz
- A/D Sigma-Delta converter resolution: 24 real Bit
- Record time: from 60'' to 30'
- Acquisition channels: No. 3
- S/N ratio at  $f_s=1\text{KHz}$ : 117 dB
- S/N ratio at  $f_s=8\text{KHz}$ : 109 dB
- Passband at  $f_s=1\text{KHz}$ : 110 Hz, proportional to sampling rate



### Gemini-2 Sensors Specifications:

- Nat. Frequency: 2 Hz +/-10%
- Sensibility: 2 V/cm•S-1 +/- 5%
- Internal Resistance: 5.8kO +/-5%
- Damping: 0.7 +/-10%
- Harmonic Distortion: = 0.2%
- Insulating Resistance:= 10 MO
- Working Temp.: from -25°C to + 55°C
- Sensor clamping: automatic when not in use
- Physical Dimensions: diam.128mm, h.175mm
- Weight: 2.15 kg