

Accuseis®



FEATURES

- INOVA's single component digital sensor
- Patented MEMS accelerometer and custom electronics to record P-wave
- Single-point receivers with one or three individual sensors per string
- Smallest and most compact digital sensor on the market
- Offers flat amplitude and phase response over a wide frequency range
- Insensitivity to tilt-degradation enables faster deployment of sensors in comparison to geophones
- Robust mechanical housing to withstand operational and environmental stresses
- Compatible with INOVA's Hawk® and G3i® HD acquisition systems



TECHNICAL SPECIFICATIONS

Digital Quantization:	24 Bits (23 + Sign)	Frequency Response:	DC to 400 Hz
Sample Rate:	4 ms, 2 ms, 1 ms, 0.5 ms	Low-Cut Filter Options:	3 Hz, 1.45 Hz, Out
Time Standard:	Phase locked to acquisition system clock	Digital High-Cut Filter:	0.82 Nyquist
Full Scale (peak)	Normal Mode: 3.3 m/s ² (335mG) Large Signal Mode: 4.9 m/s ² (500mG)	Total Harmonic Distortion:	< -100 dB
Noise ^[1]	Normal Mode: 0.3 μm/s ² /√Hz (30nG/√Hz)	Sensor Module Interface:	One twisted wire pair
	3 Hz to 400 Hz	Power Consumption ^[1] :	85 mW
Dynamic Range ^{[1][2]}	Normal Mode: 118 dB		
Frequency Response:	DC to 400 Hz		
Low-Cut Filter Options:	3 Hz, 1.45 Hz, Out		
Digital High-Cut Filter:	0.82 Nyquist		
Total Harmonic Distortion:	< -100 dB		