

Weight	317 grams / 0.7 lbs
Memory	8GB
Power Consumption	< 300 mW
Deep Sleep	< 10 mW
Input	5 V PTP
Operating Temp	-50C to +85C
Humidity	0-100%
Sample Rates	1 or 2 ms
Timing Accuracy	< 25 microseconds
Distortion	> 105dB
Bandwidth	DC to 0.8 Nyquist
GPS Frequency	L1 (1575.42)
GPS TIFF	26s (@ -148dB)
Battery Req.	7 to 18 V



**AutoSeis**<sup>®</sup>  
AUTONOMOUS NODAL TECHNOLOGIES



#### High Definition Recorder (HDR)

The HDR is the only system on the market today that records double precision, true 32-bit seismic data. The "High Definition ADC" typically provides over 160dB of instantaneous dynamic range (28 bits of usable seismic data.)

- 25 to 40dB dynamic range improvement relative to 24-bit recording systems
- Fixed gain setting eliminating the risk of harmonic distortion or data loss due to signal overdrive
- Advanced continuous recording, each node has a highly accurate clock and GPS
- 8 GB of memory can store up to 85 days of data (12 hour recording @ 2 ms sampling)
- Smallest, lightest node in the geophysical industry (0.7 lbs plus battery)
- Extremely rugged HDR is completely resin encased resulting in superior durability
- Reduced HSE exposure and environmental impact due to size, weight, and lack of interconnecting cables
- Total flexibility in terms of seismic survey design, program size and type of terrain
- Ability to use any geophone or hydrophone configuration as the primary sensor