

**ZLAND**  
TRUE CABLE-FREE SEISMIC



**High-performance  
seismic data acquisition.**





### ZLand features, specs and testing protocol

Weight:	4.8 lb (2.2 kg)
Height:	6" (15.2 cm)
Diameter:	5" (12.7 cm)
Coupling stake:	5" (12.7 cm)

- Robust: High-impact case, field-proven electronics
- Cost effective: Reduced operational costs
- Reliable: 99% or greater error-free data delivery
- Cable free: Reduced maintenance, labor

Nodes are qualified for deployment after passing a full performance test. A node may have a full performance test or a sensor deployment test run during deployment.

### Nodes may be tested at all sample rates and preamp gains. Node performance tests include:

- Internal integrity
- Total harmonic distortion
- Common mode rejection
- Geophone impedance
- Dynamic range
- Impulse response
- Gain accuracy
- Equivalent input noise

## From deployment to data collection, ZLand® delivers outstanding results.

The ZLand nodes and all system components are designed to provide superior seismic data acquisition in any environment. From start to finish, you can depend on true cable-free ZLand nodes to deliver the data you need—quickly, safely, accurately—every time.



### Simplified deployment

The ZLand handheld terminal is a survey-quality Trimble GPS navigation unit, modified with proprietary software, used to:

- Deploy and test nodes
- Record node positions and serial numbers for wireless transmission or download to the recording system's Arc Map workstation



### Data collection and charging

The ZLand system supports multiple data collection and charging racks. Each rack can accommodate 48 nodes for data download and can recharge the units' internal batteries in five hours or less.

### ZLand QC

*Review node status prior to deployment.*



*View sorted data after collection in fixed, AGC or time-based gain.*



