



REF TEK Colt

BROADBAND SEISMOMETER

EXCEPTIONAL PERFORMANCE

The compact REF TEK® Colt™ broadband seismometer provides high quality data for scientists conducting earth movement studies.

Low Self-Noise

Using a force-balance electronic feedback circuit design, the REF TEK Colt has exceptionally low self-noise allowing it to better measure ground motion even at the quietest sites. Scientists requiring portable or small footprint vault style seismometers now have high dynamic range instrument available for quick, easy deployment.

Robust

The shock resistant mass locking system protects the instrument during transportation to any field location. And, with an IP67 rating, rain, hail and snow won't interfere with your data collection.

Intelligent Design

Many features make the REF TEK Colt broadband seismometer quick to install, including:

- ▶ **Alignment Tools**
Successful installations depend on precise directional alignment, the REF TEK Colt makes that easy with removable north/south pointers installed in the base of the unit to make orientation to the scribe line effortless.
- ▶ **Bubble Level**
Visible on the top of the unit, so eyeballing is easy for perfect leveling.
- ▶ **Three Point Leveling**
Leveling is made easy with 360° access to the leveling feet, just put it on site, then move the wheels until the unit is level.
- ▶ **Mass Unlock**
The automatic Mass Unlock simply unlocks the mass when you turn on the unit, no screwdriver required.
- ▶ **Connector**
With the connector located on the top of the unit, you can be ready for connecting the sensor to the recorder quickly and easily.

Benefits

- ▶ Low self-noise, resulting in high quality data for all your analysis requirements
- ▶ Small and lightweight, for convenient carrying to site
- ▶ Shock resistant housing and robust automatic mass locking system makes the unit ready for any field environment
- ▶ Available in two frequency ranges for varying scientific budgets.

RELIABLE PERFORMANCE FOR:

- ▶ Permanent and temporary broadband installations including:
 - Local and regional broadband networks
 - Aftershock and portable deployments
 - Earthquake Early Warning Network (EEW)

REF TEK Colt self-noise plot



