

Freedom Data PC »

The Freedom Data PC represents the ultimate professional, versatile, battery powered NDT Platform, as it can be utilized for evaluation of structures/infrastructure and geophysical seismic engineering surveys.



The Freedom DATA PC multiple system platform provides the user with unmatched flexibility for stress-wave based NDT condition evaluation of concrete, masonry, asphalt, wood and other construction materials, as well as seismic testing of soil and rock. This platform provides complete data processing capability for all test methods.

By simply changing out the custom instrument modules, the user can quickly switch between tests using any of the available test method options listed below, while using similar software for data acquisition and analysis.

**Features:**

- 14" XGA diagonal color backlit screen (1366 x 768) for sunlight/night viewing
- Windows 7 based low power 1.83 GHz Atom processor 4 GB DRAM
- 2 - Plug-In multi-channel data/source modules
- Minimum 275 GB solid state hard drive
- ~6-8 hour run time internal rechargeable lithium ion batteries
- Shock mounted, weather resistant, field ruggedized design
- Weathertight mouse and keyboard
- 1 - 10/100/1000 MB LAN, 3 - USB 2.0, 1 - External SVGA Port
- National Instruments 16 channel 1.25 MHz, 16 bit PCI data acquisition card standard
- Universal 110/220 VAC, 50/60 Hz power supply/charger
- External 12 volt automotive cigarette lighter adapter
- Weight: 23 lbs (10.5 kg)
- Dimensions: 18.5" x 14" x 6" (47 x 36 x 15 cm)

What Test Method Systems Are Available?**Foundation Depth & Integrity Test Systems »**

1. Crosshole Sonic Logging
2. Tomographic Imaging Software
3. Sonic Echo/Impulse Response
4. Parallel Seismic

Structural, Pavement, & Tunnel Test Systems »

5. Impact Echo
6. Impact Echo Scanning
7. Spectral Analysis of Surface Waves - S
8. Ultrasonic Pulse Velocity
9. Tomographic Velocity Imaging Software
10. Slab Impulse Response

Geophysical Test Systems »

11. Crosshole/Downhole Seismic

1 Year Warranty on All Equipment



If you already own an add-on system, please let Olson know as many of the components are common to other test methods.