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ABEM Terraloc Pro 2

SEISMIC SOLUTIONS

Flexible seismograph for any application

ABEM

Flexible seismograph for any application

The new ABEM Terraloc Pro 2 is a versatile, next generation seismograph that inherited all the smart features of its predecessor and now offers a new, more responsive and simplified user interface, as well as an improved battery solution.

Seismic solutions are typically used in civil engineering and infrastructure work to determine the properties of the subsurface of the earth, including depth to bedrock, bedrock quality, soil stability studies, finding fractures and weak zones, and geological mapping. ABEM Terraloc Pro 2 can be configured for all of these applications, and more.

Typically, the seismograph is triggered by ground vibrations created by a controlled energy source. By recording the time it takes for the seismic waves to reach geophones connected to the seismograph, it is possible to estimate the depth and properties of subsurface features.

Development of the new ABEM Terraloc Pro 2 has focused on creating an enhanced user experience. The process to setup measurements has been greatly improved for field crews by offering a wizard mode, keeping the number of steps and settings needed to be configured to a bare minimum.

A new power supply solution has been implemented to ensure stable operation even if the external batteries are of poor quality. The previous NiMH internal battery has been replaced with two new internal batteries using modern Li-Ion technology.

Features

- Compact and rugged standalone seismograph
- 1D, 2D and 3D measurements
- 12, 24 or 48 measurement channels
- Built-in quad-core computer
- Graphical user interface with a wizard mode
- WiFi, Ethernet and USB connectivity
- New power supply solution

Advantages

- Easy to operate in the field, built for the toughest conditions
- Perform any kind of seismic survey
- Designed for outstanding data quality
- Increased computing power
- Quick and easy setup, even for non-experts
- Modern connectivity for easy data transfer
- Stable operation regardless of internal or external batteries are used

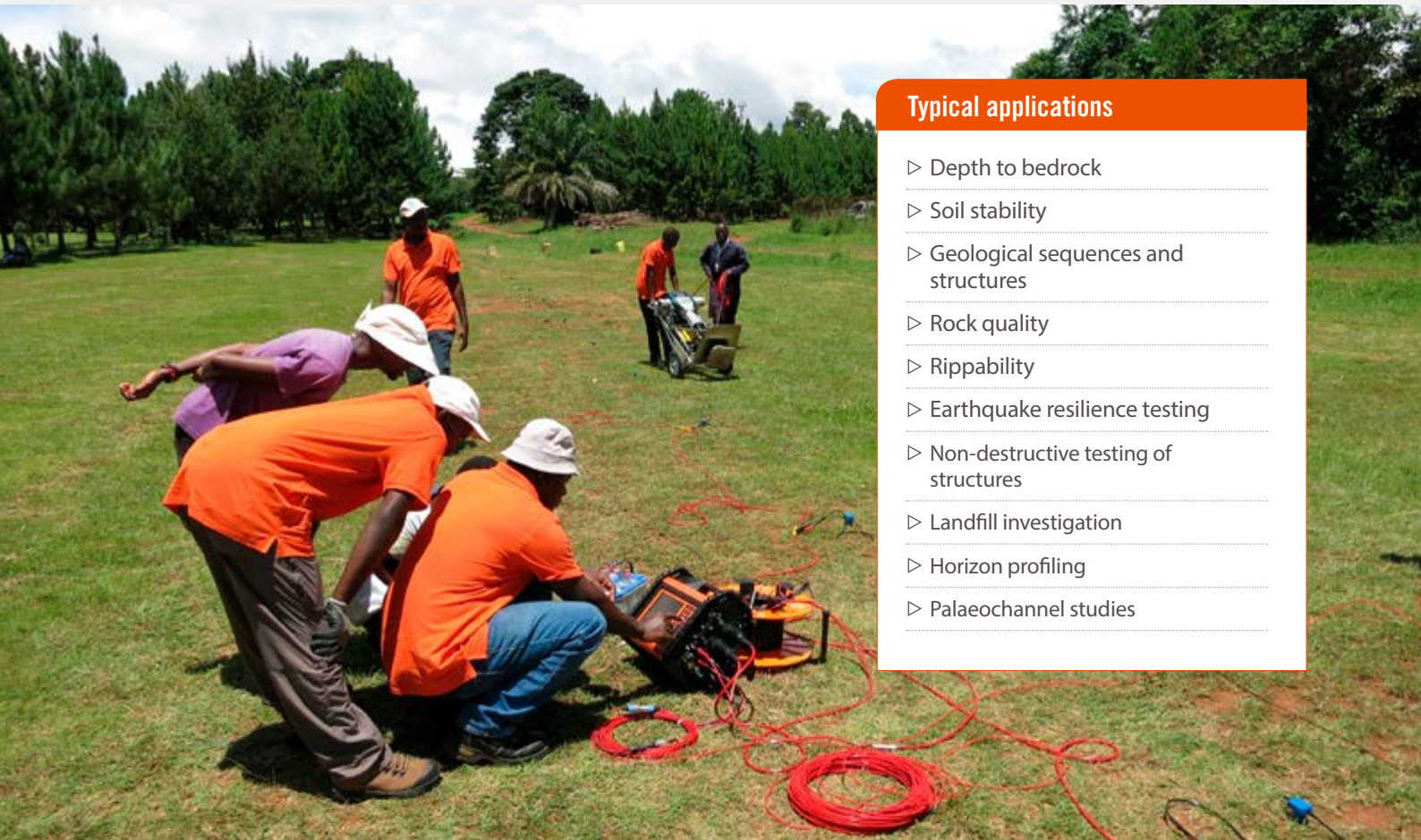
ABEM Terraloc Pro 2

ABEM Terraloc Pro 2 is a standalone system and comes with built-in computer, data storage, measurement channels and user interface. Measurements are conducted via a userfriendly graphical interface. The system is enclosed in a rugged and robust aluminum casing meeting IEC IP66 classifications, allowing measurements to be made in all situations and environments.

Three different configurations of ABEM Terraloc Pro 2 are available, having 12, 24 and 48 channels. If more channels are needed, several units can be interlinked. ABEM Terraloc Pro 2 can be paired with almost any seismic accessory allowing fully customized solutions to meet every need.

A wide range of high quality cables for land, marine and borehole measurements together with geophones suitable for any type of seismic method are available. Different types of trigger solutions and energy sources can be supplied.

The new ABEM Terraloc Pro 2 system has a built-in quad-core computer that runs a stable Linux operating system, and is equipped with connectivity including GPS, WiFi, Ethernet and USB. For diagnostic purposes, service or upgrades the ABEM support team can remotely connect to the instrument, regardless of location.



Typical applications

- ▷ Depth to bedrock
- ▷ Soil stability
- ▷ Geological sequences and structures
- ▷ Rock quality
- ▷ Rippability
- ▷ Earthquake resilience testing
- ▷ Non-destructive testing of structures
- ▷ Landfill investigation
- ▷ Horizon profiling
- ▷ Palaeochannel studies

ABEM Terraloc Pro 2

Evolution reaches new levels of perfection

ABEM has been developing seismographs for over 30 years and are still pushing the boundaries of achievement with each new development. ABEM Terraloc Pro 2 is the latest in a great line of near surface seismographs, succeeding innovations like the Terraloc Mk2, Mk3, Mk6, Mk8 and Pro. With superior specifications and a long list of available accessories the possibilities are almost endless. Whether it is cross-hole testing, MASW, reflection, or a marine refraction survey; ABEM Terraloc Pro 2 is a great companion. The graphical user interface comes with a wizard mode, making it quick and easy to set up the instrument for a survey. For the advanced user, it is still possible to configure and tweak all parameters. Matched with powerful data processing software, the raw data can be converted to a model so that the user can easily interpret and understand the end results.

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***Guideline Geo** is a world-leader in geophysics and geo-technology offering sensors, software, services and support necessary to map and visualize the subsurface. Guideline Geo operates in four international market areas: Infrastructure – examination at start-up and maintenance of infrastructure, Environment – survey of environmental risks and geological hazards, Water – mapping and survey of water supplies and Minerals – efficient exploration. Our offices and regional partners serve clients in 121 countries. The Guideline Geo AB share (GGEO) is listed on NGM Equity.*

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