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Penetrologger with GPS - CBR set 06.15.SC



The penetrologger with GPS, CBR set is a versatile instrument for determine soil penetration resistance in-situ. The standard California bearing ratio (CBR) is a penetration test for evaluating the mechanical strength of road surfaces and foundation layers.

- CBR measurement result evaluation
- User-friendly and easy operation
- Accurate measurement principle
- Compact design, detachable handles
- Data file export
- Ultrasonic depth measurement

Description

The penetrologger with GPS, CBR set is a versatile instrument for determine soil penetration resistance in-situ. The standard California bearing ratio (CBR) is a penetration test for evaluating the mechanical strength of road surfaces and foundation layers.

The Royal Eijkelkamp penetrologger CBR is very similar to the standard 06.15.SA set. However, in the CBR version it measures, by a static penetration test, directly in CBR values using the standard CBR cone.

The standard California bearing ratio (CBR) is a penetration test for evaluation of the mechanical strength of road subgrades and basecourses. It is the basis for determining the thickness of soil and aggregate layers used in the design of roads and airfields. A soil's CBR value is an index of its resistance to shearing under a standard load compared to the shearing resistance of a standard material (crushed limestone) subjected to the same load.

Measuring the resistance to penetration of the soil in a large number of measurements is best done with an electronic penetrometer in combination with a data logger, where the data can be saved and processed immediately in the data logger. Royal Eijkelpkamp has developed an electronic penetrometer with a built-in data logger for storing and processing a large number of measurement data (1500 measurements). The camouflage-colored rucksack makes it very suitable to carry in the field.

Applications

- Geotechnical soil research
- Trafficability or load bearing capacity research

Set contains

- Penetrologger CBR
- Probing rod (3 parts),
- 2 pcs Cones CBR 1,3cm2, 30°
- Depth reference plate
- CBR penetrologger software
- RS232 cable rugged + adapter RS323 to USB
- [Driver software for converter cable](#)
- Penetroviewer software, downloadable below
- Accessories
- 4 AA batteries
- Camouflage coloured rucksack

Would you like more information or do you have any questions? Please download our brochure or contact our specialist.

Specifications

Penetrologger with GPS - CBR set	
Battery life time	2 years
Diameter (D)	Sensor diameter 14 mm
Maximum measuring depth	32.8 feet 10 m
Measured parameters	level
Measuring principles	Conductivity

Penetrologger with GPS - CBR set

Power supply	Battery
Product material	Stainless steel, PVC, other material
Reading accuracy	0.3 inch 1 cm
Registration type	Manual
Rod or Cable length	32.8 feet 10 m
Voltage	9 Volt
Package size	3.9 x 7.8 x 5.9 inch 10 x 20 x 15 cm
Weight	1.32 lb 600 g

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