



GRIZZLY®

*Heavy dynamic cone penetrometer
with constant energy*

SOL SOLUTION
Solidly-based innovation

ENGINEERING

SOIL TESTING
AND GEOTECHNICAL
EQUIPMENT

RESEARCH AND
DEVELOPMENT

TECHNICAL TRAINING

WWW.SOL-SOLUTION.COM

GRIZZLY®

Characteristics

Dimension: L 2.03m x W 0.89m x H (in transport position) 1.22m

Weight : 950 kg

Weight and falling height of the normalized ram (type DPSH-B : 64 kg and 75 cm)

Rods 1m, Ø 32 mm - 20 cm² fixed or sacrificial cones

Adjustable stroking rate 20-30 str/min

13 HP engine with electric start or recoil

Hydraulic upwards and downwards movement and pole adjustment (vertical and lateral)

Lateral storage for cones and rods during transport

Digital blow/strike counter

Emergency stop button, flashing beacon, projector, 12v socket

Tactile interface screen

Advantages

- Conception and development by Sol Solution
- Automatic measurement of depth at each blow
- Easily transported using mid-range vehicle (Trafic, Vivaro, Jumpy, Primastar, etc)
- Stable platform track machine
- Integrated powerful extraction system (11 tonnes)
- Automatic data acquisition and storage
- GRIZZLY WIN® data management software
- Single person operation
- Pre-programmable target depth along with intermediate stops for rod additions and automatic stop where refusal achieved
- Detachable continuous depth sensor gaugeable
- Built-in GPS with automatic location retrieval
- Onboard data system with touchscreen allowing on-site access to penetrographs along with strike count and resistance information

Options

- Wired remote control user interface
- Core sampler with plastic sheath
- SPT set (EN ISO 22476-3)
- Drilling tool with auger
- Automatic creation of report in Microsoft Word format
- Torque wrench
- Automated and assisted variable hammer strike input energy



SOIL INVESTIGATION

Aim

TO OPTIMIZE INVESTIGATION AND GEOTECHNICAL DIAGNOSIS IN SOILS AND UNBOUND MATERIALS

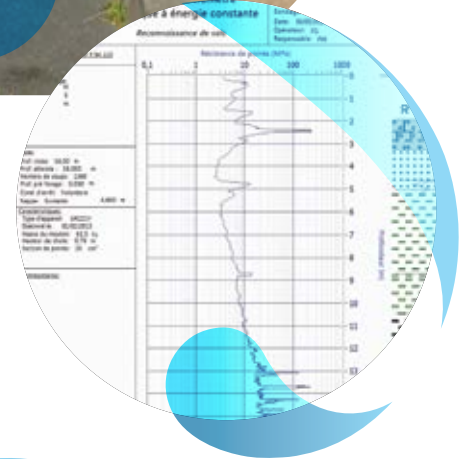
Advantages

- Static sinking measured in case of low resistance soil
- Geological cross section reference library
- Access to restricted, difficult, or dangerous locations
- Correlation with other geological measurement device outputs
- Range of outputs relating to scales, measurement units, elevation, water level
- Penetrogram in dynamic resistance q_d , number of blow per 10 or 20 cm (N10 or N20)

Conformity

Standard **NF P 94-115**

Standard **EN ISO 22476-2**



COMPACTION CONTROL

Aim

TO VERIFY COMPACTION RELATING TO TRENCHES, EXCAVATIONS, UTILITY INSTALLATIONS, EARTHWORK, EMBANKMENT, DIKES, DAMS, ROADS, ETC.

Conformity

Standard **NF P 94-063**

Fascicule **70**

COFRAC

SETRA Guide

Advantages

- Full depth control and information retrieval in a single operation
- Compaction homogeneity and layer thickness control (compacted lift thickness)
- Standard database (soil classification and compaction quality)
- Automatic inbuilt calculation of encountered anomalies
- Determination of effective influence of applied compaction equipment and method.



SOL \int SOLUTION
Solidly-based innovation

SOL SOLUTION

ZA des Portes de Riom Nord
23 avenue Georges Gershwin
BP 178 - 63204 RIOM Cedex
FRANCE

T : 00 33 4 73 64 74 84
F : 00 33 4 73 64 74 80
M : contact@sol-solution.com

WWW.SOL-SOLUTION.COM