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®**

### 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

### 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**
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 qd, 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.

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.

Conformity
- Standard **NF P 94-063**
- Fascicule **70**
- COFRAC
- SETRA Guide