

**Soil Investigation Solutions
for DCP (Dynamic Cone Penetration),
SPT (Standard Penetration Test)
& Soil Sampling in One System**

**SPEIFICATION
DYNAMIC PROBING RIG
WITH COMBUSTION ENGINE:**

SPT: 63,5 kg
Number of Blows: 15 - 30 Blows per Minute
Dropping Height: 500 / 750 mm
Window Sampling: up to 90 mm Diameter

Engine Honda: GX 100
Cylinder: 1
Fuel: Petrol
Performance at 3.600 RPM: 2,1 kW / 3 PS
Torque at 3.000 RPM: 5,7 Nm
Displacement: 98 cm³
Tank: 0,7 l
Oil Capacity: 0,4 l

Dimension:
Length: 785 mm
Width: 780 mm
Height: 2.600 mm
Total Weight: 227 kg



HMP SON-M SPT Data Acquisition

Basic Functions

- Display of the measured row numbers.
- Blow depth.
- Total depth.
- Number of blows.
- Battery remaining.
- Date and time.
- Measurements can be sent to the optional Miniprinter or PC.



Basic Working Principle

The HMP SON-M registers the number of blows and for each blow the penetration depth is recorded. Within the device the number of blows are registered per 10 cm & remain available for further manipulation. The PC software PROSON is responsible for the transfer to a PC.

Accessories

- Miniprinter for on-site print outs.
- Cable connection for PC.
- Protocol software PROSON 1.0.

Technical Data

- Dimensions 120x235x42mm.
- Working temp. 0-50°C.
- Can be calibrated to a maximum depth 300m.
- Rechargeable battery, 12V DC or 230V AC.

HMP SON

Dynamic probing
 PCC: 50
 DIN EN ISO 22475-2

contact details
 contractor: _____ Your professional appearance

Device type: DPL
 Device: HMP SON-M
 Nr.: 1356

Weather/temperature
 Project

Task: surface/layer
 Measurement: 661 Date with start- and end time

Start of measurement: 02.08.2023 11:13
 End of measurement: 02.08.2023 11:40
 GPS coordinates

Depth	Impacts
0.1	10
0.2	20
0.3	30
0.4	35
0.5	35
0.6	37
0.7	28
0.8	23
0.9	20
1.0	18
1.1	18
1.2	12
1.3	10
1.4	10
1.5	10
1.6	10
1.7	10
1.8	10
1.9	10
2.0	10

probing depth
 number of impacts per 10 cm



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