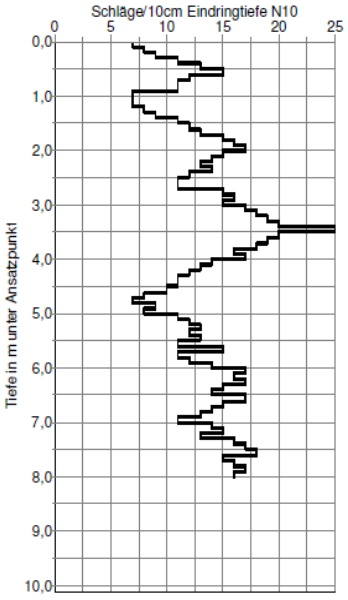
HMP SON-M
The Automatic Evaluation Unit
for penetration according to EN ISO 22 476-2

NEW Penetration with electronic data acquisition
… easy, fast, accurate, cost saving

Just forget annoying dotting and evaluation! The innovative automatic evaluation unit HMP SON-M does that at the flick of a switch for you.

HMP SON-M can easily be retrofitted to each mechanical penetrometer – the impact rate is counted and the corresponding penetration depth automatically is allocated. You have the following options – printout of the short protocol still at the site or transfer of the measuring series for comfortable evaluation on PC. By means of the PC Software PROSON you can compile, rework and print out measurement reports and diagrams according to EN ISO 22476-2 within few minutes.

Protocol Printout



Printer Printout

Rammsondierung
nach DIN 4094
Geraet: HMP SON Nr. 0001

Pruefer

Witterung/Temp.

Bauobjekt/Prueflos

Pruefflaeche/Schicht

Messreihe: 1

Datum: 13.05.
Anfangszeit: 23:11
Endzeit: 23:13

Tiefe in m	Schlaege
0,1	3
0,2	3
0,3	1
0,4	4
0,5	2
0,6	7

<u>Your advantages:</u>

- Simplest operation
- Easily retrofittable to each penetrometer
- No tally lists at the site
- Faultless measured value acquisition and –evaluation
- Enormous time saving because of automation
- Short protocol printable immediately at the site
- Fast, comfortable protocol determination on PC
- Mobility through net independence

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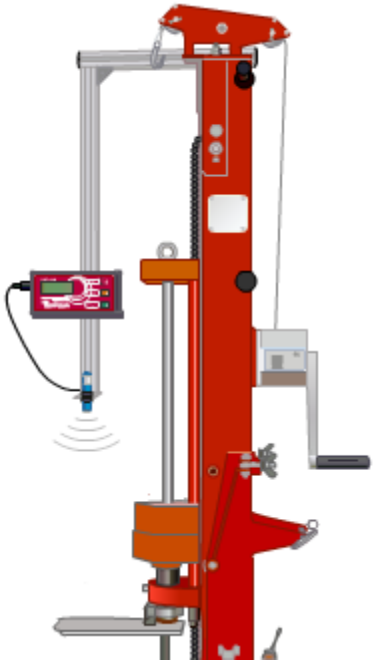
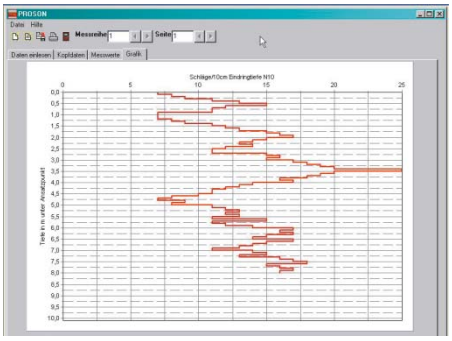
The sensor arm is fixed above the mast. During penetration the thereon fixed measuring instrument HMP SON registers the impact boom of the drop weight via the impact counter. In parallel, the penetration depth is determined via ultrasonic sensor through reflection of signal at the reflector. Start and end of measurement are given directly via the push button. The data are stored in the measuring instrument and can be printed out immediately at the site via the thermal printer.



Evaluation:

The measuring instrument can directly be connected with notebook or PC. By means of the Software PROSON, developed by HMP, the storage, rework and evaluation of the measuring series is a breeze. The determination of measuring reports and diagrams according to EN ISO 22476-2 can take place within only 2 minutes.



Screenshot Evaluation Software PROSON

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