



a.p. van den berg

HYSON 100 kN-LW

lightweight static CPT thrust system



features

- single cylinder
- light weight
- economical
- compact

creating tools that move your business

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HYSON 100 kN-LW: lightweight static CPT thrust system

minimum weight with maximum performance

The lightweight static CPT thrust system is specially designed to perform in situ geotechnical soil investigations in locations inaccessible to other equipment, such as basements, back yards, swampy and overgrown land. The main criteria in designing this system were: low weight, ease of operation, versatility and reliability. This resulted in a single-cylinder, easy-to-move, easy-to-operate CPT unit with virtually all the possibilities of a regular, twin-cylinder CPT unit.

anchoring

In order to counter the reaction forces while testing, four rugged soil anchors are provided. In this way a penetration depth of 30 metres is feasible (actual depth depends on soil conditions). Anchors can be set manually or much more easily using the HYGAND, a hydraulic anchor setting device driven by the hydraulic power pack.



HYGAND-250

Hydraulic power pack



Icone/Icontrol

features and capabilities

- Electrical and mechanical cone for measuring geotechnical and environmental soil parameters
- Icone / Icontrol data acquisition systems
- GOnsite! realtime logging and GO4! processing software
- Soil sampling with the MOSTAP series samplers
- Water and gas sampling with the WASTAP

Options for:

- Conductivity cone penetrometer
- Seismic cone penetrometer

Specifications HYSON 100 kN-LW

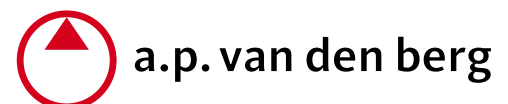
Piston stroke	700 mm
Inner diameter hollow piston rod	Ø 62 mm
Pushing capacity	100 kN (11 US tons)
Pulling capacity	127 kN (14 US tons)
Test speed	2 cm/s
Pulling speeds	7.6 cm/s up to 26 kN 1.6 cm/s up to 127 kN
Weight	Basic thrust system Complete equipment**
	70 kg 500 kg
Dimensions	Basic thrust system Complete equipment*
	140 x 140 x 1150 mm 1600 x 600 x 850 mm
* * including power pack and accessories	
* box dimensions for transport	

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