



HYSON 100 kN-LW

Lightweight Static Cone Penetrometer

▶ Single-cylinder ▶ Lightweight ▶ Economical



HYSON 100 kN-LW: Lightweight Static Cone Penetrometer

Minimum weight with maximum performance

The lightweight static cone penetrometer 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 penetrometer 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-250, a

hydraulic anchor setting device driven by the penetrometer's power pack.

Features and Capabilities

- Electrical and mechanical cones for measuring geotechnical and environmental soil parameters.
- Touch-Screen, GOLOG and I-Control data acquisition systems
- GONSITE! logging and GO4! processing software
- Soil sampling with the MOSTAP series samplers
- Water and gas sampling with the WASTAP
- OptoCone for wireless data transmission
- Icone digital cone
- Conductivity cone
- Seismic cone

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in
every field"*

Specifications HYSON 100 kN-LW		
Piston stroke		700 mm
Inner diameter hollow piston rod		Ø62 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 penetrometer	70 kg
	Complete equipment*	500 kg
Dimensions	Basic penetrometer	140x140x1150 mm ³
	Complete equipment*	1600x600x850 mm ³

* including power pack and accessories, gross weight and box dimensions for transport.

We reserve the right to change specifications without prior notice.

Hyson, Hygand, Golog, GOnsite!, GO4!, Mostap, Wastap and Icone are trademarks of A.P. van den Berg, Heerenveen



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