



# Multipurpose 200 kN CPT skid

for onshore and near shore applications



## features

- easy to operate
- compact modular design
- for onshore and near shore
- versatile
- hand or automatic operating

# Modular skid penetrometer for flexible solutions

## easy to operate

A.P. van den Berg traditionally builds equipment meeting demands associated with geotechnical investigation for all types of environments. The multipurpose CPT skid is the result of many years of thorough design in close cooperation with operators and owners of A.P. van den Berg equipment. The result is a simple and very easy to operate CPT unit mounted on a skid. While simple in design it includes the state-of-the-art technology and reliability you have come to expect from A.P. van den Berg.

## a.p. van den berg inside!

The heart of each multipurpose CPT skid is the proven A.P. van den Berg twin cylinder hydraulic workhorse, the HYSON 200kN penetrometer. The unit comes with either the Icontrol or Golog data acquisition system and can be used with electrical or mechanical CPT cones. With a minimum investment you can still obtain the most reliable system on the market for high quality soil investigations.

The concept of "A.P. van den Berg inside!" gives you the flexibility to purchase just the modules applicable to your line of work and add modules at any time in the future.

## modular design



In addition to the penetrometer there is the optional Power Pack, with the Hatz Silentpack diesel engine, which supplies the necessary hydraulic power. The Power Pack is assembled on a heavy duty steel skid ready to be placed on any base. The optional PLC (Programmable Logic Controller) operates all functions of the HYSON 200kN penetrometer, the Power Pack, the optional

hydraulic clamp and provides a convenient operator interface. The multipurpose CPT skid is suitable for both onshore and near shore CPT jobs. Units are available in the colour of your choice.

Characteristics	HYSON 200 kN	Power Pack	Operating console
Weight (kg)	660 incl. hydr. clamp.	980	125
L x W x H (cm)	112 x 74 x 196	200 x 130 x 132	63 x 57 x 112
Cylinder stroke (mm)	1250	-	-
Pushing force (kN)	200	-	-
Pulling force (kN)	260	-	-
Speed (cm/sec)	2.0 / 6.0	-	-
Power (kW)	-	14.6	-
RPM	-	1250 / 2050	-
Inverter 24 / 220 V	-	Option	-

It is possible to upgrade a multipurpose CPT skid to the next higher level in the field.

## onshore application

It is very easy to mount the multipurpose CPT skid on almost any truck, crawler or inside a container for onshore applications. If hydraulic power is already available, you don't need the optional power pack. In the photos below are two examples of vehicles fitted with a CPT skid.



## near shore applications

Similarly the multipurpose CPT skid is easy to handle and to place on a jack-up platform or a barge. A hydraulic catching clamp is a minimum requirement for this type of operation. A push/pull clamp is recommended for tests in water depths greater than 25 meters to increase operational efficiency. The tables below show the available modules and some key characteristics of the multipurpose CPT skid.



	Basic	Advanced	Professional
HYSON 200 kN	V	V	V
Power pack	option	option	V
Hydraulic clamp	-	V	V
PLC control	-	-	V

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