



FAST FACTS

- Geomil 200kN Trailer Mounted
- Hydraulic CPTu Rig
- Cone Penetration Testing
- Pore water pressure
- Push in Piezometers
- Seismic CPT Tests
- Thermal properties

SUMMARY

CPTu is a very time and cost efficient method to gather a continuous dataset of geotechnical engineering parameters. PMI operates a 200kN trailer mounted penetrometer pusher a versatile twin ram unit which is ideally suited to a wide variety of application areas including natural ground, reclamations, tailings storage facilities, ash dams, coal fines slurries, The penetrometer is driven by a Hatz silentpack diesel engine and the entire setup is installed on a single axel trailer with a working platform. The CPTu offers a cost effective solution for gathering engineering properties of soft to medium material.

DETAILS

CAPACITY

Max Driving Capacity: 200kN
Max Pulling Capacity: 260kN

ENGINE

Type: Hatz diesel engine - 1D81C
Power: 9.5kW at 2800rpm
Rotation: anti-clockwise

PUMP

Type: axial piston pump,
with power regulator
Min Capacity: 14L/min
Max Capacity: 78L/min
Max working pressure: 250bar
Rotation: clockwise

HYDRAULIC PENETROMETER

Cylinders: 2 x double acting
Bore: dia 90mm
Piston Rod: dia 25mm
Stroke: 1350mm
Working Area: bottom side 63.6cm²
Piston side 47.7cm²

SPEEDS / DRIVE

Directly by Coupling
Unloaded Upward 0 - 12.5cm/s
Unloaded Downward: 0-16.5cm/s
Sounding: 2cm/s

CONTROL VALVE

- Manually operated valve
- Adjusted pressure 215 bar
- 1x1 piston, 4 way 3 positions
- Safety section and pressure compensated control
- Dia 63, 0-250kN
- Filled with glycerine

TRAILER

Weight: 2.5ton
Length: 4.7m
Width: 2.84m
Height: 2.8m

