



SOCOTEC

PLANT INFORMATION – HEAVY CPT CRAWLER (PANTHER-200)

Cone Penetration Tests (CPT) are carried out using twenty tonne capacity hydraulic penetrometer equipment mounted on ballasted vehicles. SOCOTEC UK is accredited by the United Kingdom Accreditation Service (UKAS) to undertake electric friction and piezocone testing as detailed in its UKAS schedule, Laboratory No 1157.

All CPT vehicles are fitted with a computerised logging system which displays a continuous graphical record of the measured data against depth. Data plots can be produced and supplied to the Client in the field upon completion of the testing.



TRACK MOUNTED PENETROMETER

Track mounted unit with enclosed cab and CPT rig. Ideal for soft ground and sites with difficult access.

The low ground bearing pressure of this crawler unit makes it ideally suited for use on those sites where the near surface soils are waterlogged and/or of low shear strength. The heavy crawler is suitable for sites such as arable fields underlain by stiff over consolidated clays or medium dense and dense cohesionless soils.

The maximum depth of penetration is dependent upon ground conditions; however up to 40 m penetration is typical.

With a thrust capacity of 20 tonnes, a production rate of up to 150 m per day can be expected from this unit.

DIMENSIONS

- Length: 6.25 m
- Width: 2.50 m
- Height: 3.10 m
- Extended Height: 4.10 m
- Weight: 20.5 tonnes
- Ground Pressure: 50 kPa (7.5 psi)
- Max slope (tracking): sidehill up to 30%
uphill up to 40%

