

DOWNHOLE WIRELINE CPT

Wiscon-APB Wireline CPT Tool



This 90mm downhole wireline tool utilises hydraulic pressure to provide a 1m or 3m CPT push (20mm/sec) or provide a good quality Shelby sample at any stage of a borehole where the ground conditions allow. The system has the major benefit of wireline technologies to maximise operations at locations where a combination of CPT data and sampling are required.

The equipment comprises a self-tensioning remote-controlled winch, power pack, mast and sheave block via which the tool is lowered through the drill string and latched into place the base of the borehole. The umbilical hose houses hydraulics, power and data cabling allowing data to be transmitted in real-time to the deck via the

Golog acquisition and interface system. Where a Shelby sample is taken (70mm diameter), the sample can be easily retrieved without dismantling the drill string. The tool can then be de-latched ready for the next stage of the borehole.

Both 5cm² and 10cm² piezocones can be used to produce a maximum 100 mPa of tip resistance.

In conjunction with Lankelma's Dando 9000 Rotary drill rig, this system has proven performance, delivering excellent data and samples and optimising operational times in the field.