



WISON-APB Downhole Wireline CPT Tool



This 90 mm downhole wireline tool utilizes hydraulic pressure to provide a 1 m or 3 m CPT push (20 mm/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.

Equipment

- A self-tensioning remote;
- Controlled winch;
- Power pack mast;
- Sheave block - 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.

Sampling

Where a Shelby sample is taken (70 mm 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. 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.



Weight	1.5 T
Maximum operating ram capacity	100 MPa
Length	3 m
Width	70 mm
Ram stroke	1-3 m – 20 mm/s
Maximum casing size	55 mm