UK27
Mini crawler

Rig weight	1.0 T (1.2 T with accessories)
Travel height	1.531 m
Working height [1]	3.724 m
Width	1.11 m
Max. operating ram capacity [2]	15 to 20 T
Max. travelling speed	2 km/h
Track material	Rubber
Track length	1.15 m
Track width	0.18 m
Footprint of tracks	1.15 m x 0.75 m
Max. ground bearing pressure	Tracking/testing: 26.9 kPa
Max. testing/travelling gradient	14 degrees
Noise output at 2 m	Testing – 76 dBA
Clamp arrangement	Push socket and pull pin
Ram stroke	1.3 m
Typical production	Up to 50 m of standard CPTu testing per day (depending on site conditions and access)

Ideal for sites with challenging access: along rivers, canals, flood and sea defenses/embankments and other sites where access is difficult for conventional rigs. The rig is also well suited to testing in beach or tidal environments due to the its ease of recovery combined with the speed of the CPT.

Options for the set-up: 2 ground anchors screwed into natural material, concrete bolt into competent concrete or ballasted (weights to be provided and moved by others).

Rubber tracks allow minimal tracking damage.

The rig is transported on a flat bed van or trailer.

[1] The working height can be reduced by 0.25 or 0.5 m with notice and discussion of project requirements for restricted access locations.

[2] Hydraulic rams capacity can be increased to 20 T where required for penetration of difficult strata. In practice this is usually limited to testing with mechanical fixing to concrete. When using auger anchors the available reaction force is dominated by the performance of the anchors, which perform best in firm to stiff clay or loose to medium dense sand.