



SAPPER Automatic DCP (ADCP)

Meets ASTM D6951 up to 6 ft.

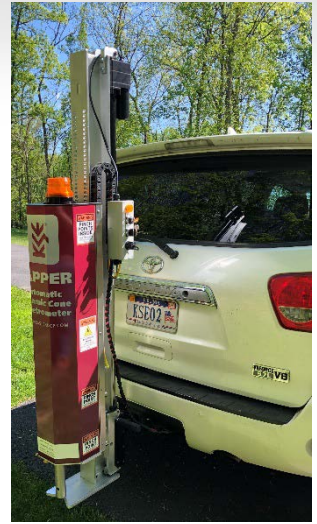
The ADCP is a fast, rugged, accurate device that automates the Dynamic Cone Penetrometer (DCP) test & data collection using a 8 kg hammer at a rate of one blow per two seconds.

FEATURES:

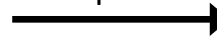
1. Data is collected and displayed on a Windows 10 tablet.
2. Records & displays penetration rate, blows, and correlations to CBR & PSF.
3. Downloads Text files compatible with the Excel DCP worksheet & PCASE upload format
4. Accommodates a single 60 in. (1.5 M) drive rod or use multiple extensions to test up to 12 ft. (3.6 M).
5. High Torque Motors for easy extraction
6. Standard unit comes with a 48 in. (1.2 M) spring steel drive rod with hardened point.
7. The device is fully enclosed protecting operator.
8. Exterior enclosure made out of corrosion resistant aluminum.
9. Mountable to almost any vehicle. Mounting can be powered actuated
10. Can customize Travel Position – Vertical, Tilting or Horizontal.
11. Standard mounting frame uses the trailer hitch adapter commonly found on light duty trucks & SUVs.
12. Powered by the vehicle 12V battery. A 24V version available.
13. All electric operation, non-hydraulic system. No fluids to spill.

BENEFITS:

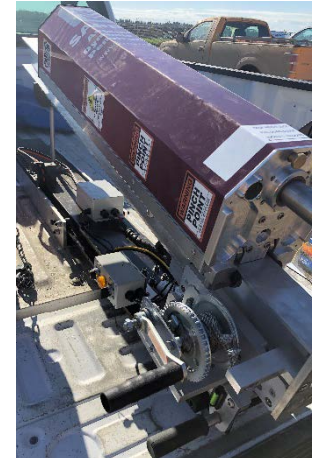
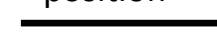
1. Single Person Operation – Avoids Data Collection Errors
2. Rugged & Easy to Use
3. Fast, High Volume Testing Capability – Avoids Operator Fatigue
4. Can be Remotely Controlled from Vehicle Cab
5. Compatible with Core Drill Rigs
6. Easy Maintenance with Good Access
7. Safe - DCP Pinch Points covered
8. Modularized for easy Installation on vehicle
9. Windows 10 Tablet/Laptop compatible Software
10. Software shows real time results & downloads to Text format files



Mounted on a core drill truck in test position



Pull Out Mounting in the bed of a truck in transport position



Mounted on a Deere Gator front trailer hitch in test position



Mounted on a Kawasaki Mule trailer hitch in transport position





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Feature Details for the 48" ADCP Model



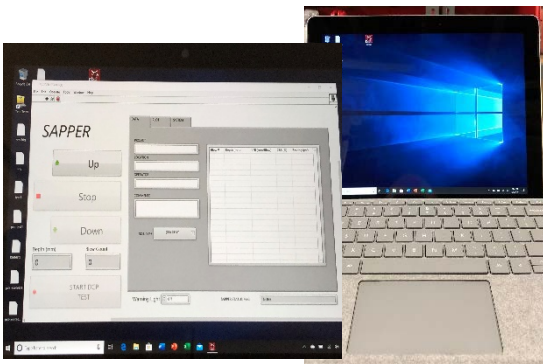
Start Test Positions:

- 1) Foot Lowered to Ground
- 2) Device Raised to Load Drive Rod & Initiate Test

Finish Test

Position Ready to Start Extraction

Stow Position ready for Transport on Class 3 or 4 trailer hitch Receiver



Microsoft Windows 10 w/Office
Surface Tablet 8GB RAM & 128GB
Hard Drive (min.) – SAPPER
Software Installed

Detail of Mounting Frame
for Class 3 or 4 Hitch