Product name:	Product code:
Laboratory Vane Shear Apparatus for Soft Clay	CMI-IND-0007



Description

Motorised laboratory vane shear device measuring the undrained shear strength and sensitivity of soft saturated clays in sample tubes. Used in marine, coastal and embankment foundation investigations.

Technical specification

Angle resolution	0.1 deg
Standards	IS 4434, ASTM D4648
Power supply	230 V AC, 50 Hz

Standard Accessories

- Two vane blades
- Calibration spring
- Sample holder cup

A four-bladed vane is pushed into the soil sample and rotated at a constant rate while torque is read from a calibrated spring or electronic sensor. Peak and remoulded strength give the sensitivity of the clay. The unit is intended for soft soils where triaxial sampling is difficult.

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Features

- Torque-calibrated spring with digital angle readout
- Rotation rate fixed at 0.1 deg per second
- Interchangeable vanes of 12.7 mm and 19 mm width
- Sample cup holder with clamp for 38 mm tubes
- Robust cast base with levelling feet

Technical Specifications

Torque range	0 to 0.5 N-m
Vane sizes	12.7 x 25.4 mm and 19 x 38 mm
Shear strength range	0 to 200 kPa (with 12.7 mm vane)
Rotation rate	0.1 deg/s