



INSTRUCTION MANUAL

POCKET PENETROMETER - Product Code: SL131

IMPORTANT:

Do not operate this equipment before thoroughly reading and understanding this manual.

Intended Use

The Pocket Penetrometer is designed for the quick assessment of soil compressive strength and shear strength in the field.

Operating Instructions

1. Hold the penetrometer firmly in your hand.
 2. Place the penetration needle directly onto the soil sample or foundation soil to be tested.
 3. Apply gradual, even pressure until the needle penetrates the soil up to the clearly visible mark on the needle.
 4. Perform at least 10 tests on each soil type.
 5. Disregard any inconsistent readings and calculate the average of the valid results to determine the final value.
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Technical Specifications

- Needle Diameter: 6.4 mm (1/4 inch)
- The penetrometer features an engraved numerical scale and a sliding index marker.
- Before starting a test, the operator must set the index marker to zero.
- As pressure is applied, the index slides automatically and locks in place to indicate the compressive strength result.
- The result is displayed directly in kg/cm², based on the calibrated spring and needle dimensions.

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