

## **Operating Instructions for Pocket Penetrometer**



*Pocket Penetrometer*  
*Adaptor Foot*

*STCL-3*  
*STCL-3A1*

This lightweight direct reading penetrometer gives instant information for classification of soils on site or in the lab. The operation is simple using the following steps:

1. Move the ring towards the handle to the lowest reading on the scale. The ring should rest against the lower edge of the instrument handle.
2. Hold the top portion of the handle and slowly push the piston into the soil up to the calibration groove located  $\frac{1}{4}$ " from the tip.
3. Read the unconfined compression strength directly in tons/ft<sup>2</sup> or in kilograms/cm<sup>2</sup> on the low load side of ring closest to top of handle.

The adaptor foot is used for very soft soils. The reading should be divided by 16 to obtain the correct unconfined compressive strength of the soil.

To use the adaptor foot, grip the handle and push the foot into the soil up to the full thickness ( $\frac{1}{4}$ " ) of the adaptor foot.