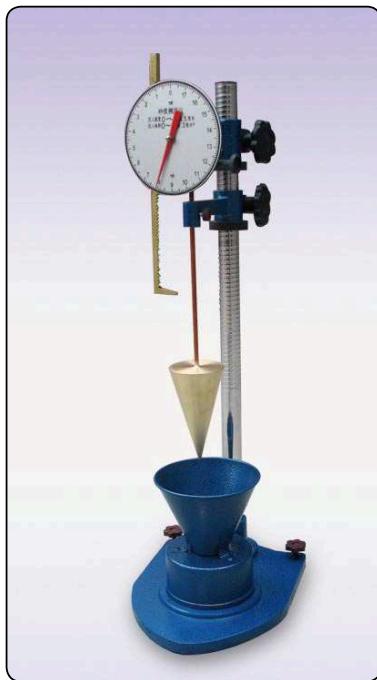


Cement testing

CEMENT TESTING

CONE PENETROMETER



■ SC-145 Cone Penetrometer

■ STANDARD:

BS 1377, 1924-2, EN DD ENV 1997-2

General description and specifications

The method is fundamentally more satisfactory than the Casagrande method as it is essentially a static test depending on the soil shear strength. The test is based on the relationship between moisture content and the penetration of a cone into the soil sample under controlled conditions.

| | |
|-------------------|--|
| Dial indicator | 150 mm diameter, indicator point incorporates friction/gear system |
| Height adjustment | Rapid, using integral clamping mechanism |
| Cone release | Manual |
| Cone | 1 x 30°, 150 mm test cone included |
| Base | cast iron, adjustable leveling feet |
| Weight(approx) | 20kg |

■ Accessories

■ **Test Gauge.** For checking the condition of the Cone Point. Weight 30 g

■ **Penetration Test Cup.** 155 mm diameter by 150 mm deep, with the rim parallel to the flat base. Weight 1600g

■ Spares

■ **Penetration Test Cone.** Brass, 150mm long with smooth surface at an angle of 30°. Weight 100 g



■ Penetration Test Cone



■ Penetration Test Cup.

COMPRESSION JIG



Specifications

- Distance between platens: $40 \pm 0.1\text{mm}$
- Overall Dimension: 100 dia. x 165mm
- Weight approx.: 5kg