

Hot solids penetration test equipment

Description:

Comprises a special hand held crucible to contain the 6 mm diameter steel ball.

Within the base of the crucible is located the junction of a thermocouple. The thermocouple is connected to an electronic digital thermometer (available as an optional item).

A cylindrical steel support tube and insulating funnel and a supply of 6mm balls complete the equipment provided.



The sample to be tested is placed horizontally on top of the support tube. The funnel is placed on top of the sample. The ball is placed in the crucible and heated using a propane burner (not supplied), until the required temperature is attained. The ball is then tipped out of the crucible into the opening of the funnel.

Optional item:

Digital electronic thermometer – hand held and battery operated

Services required:

Bench mounted

A small propane burner is suggested for heating the crucible with the ball inside. This should be purchased locally, to ensure a continuing supply of replacement gas cartridges.

Approximate packed size & weight:

40 x 15 x 15 cm : 2 kg

Relevant standards:

EN 168:2001, clause 11.1 and figure 5
AS/NZS 1337-1:2010, appendix S and figure S1