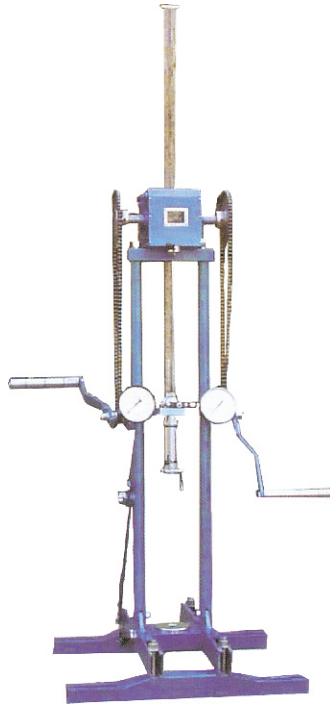


Static Cone Penetrometer, 30KN (3000 KGF) Capacity, Hand Operated

ZI 3087



Static Cone Penetrometer, 30 KN (3000 KGF) Capacity, Hand Operated : ZI 3087

IS 4968 (Part III)

The drive is by means of a rack and pinion manually through a gearing arrangement. The gear box and pinion are fixed on two handles, sprockets and chain arrangement. The movement of the rack is guided by a bracket (attached to the rack) and two pillars. The penetration resistance i.e. the pressure is indicated on hydraulic gauges through a hydraulic measuring head. Two pressure gauges of 15cm dia dial and capacities 0-160kg/cm² are provided. An automatic cut-off valve, to protect the low capacity gauge from being overloaded is provided. The valve can be adjusted and locked at desirable values between 20 to 60cm². A provision is made to anchor the unit to the ground (with the help of four anchors supplied with the unit) and there is a provision for lateral movement of the unit so that subsequent tests could be performed without shifting the entire anchorage. A 10cm² penetration cone with friction jacket is provided along with fifteen mantle tubes (non-uniform having an effective length of 1 m each with sounding rods for finding out the cone (point) resistance or jacket friction.

IT CONSISTS OF :

ZI 3087-1 Penetration Cone, steel 60° angle 10cm² base area with friction jacket One

ZI 3087-2 Mantle Tube, non-uniform , 36mm OD at the two ends and reduced dia in between with sounding rod working length 1m-fifteen.

ZI 3087-3 Load Measuring Head, with Automatic Cut off valve and Oil Can, without Pressure Gauge One

ZI 3087-4 Pressure Gauge, 0-60kg/cm² One

ZI 3087-5 Pressure Gauge, 0-160kg/cm² One

ZI 3087-6 Screw Anchor , with Bolt Four

ZI 3087-7 Anchor Driving Handle One

ZI 3087-8 T-Rod One

ZI 3087-9 Spanner One

ZI 3087-10 Extension Pipe 0.5m long for ZI -4004-7 Anchor Driving Handle Four NOTE : Uniform dia mantle tubes can be ordered at extra cost.

OPTIONAL EXTRA

ZI 3087-11 Mantle Tube, 36mm uniform OD with Sounding Rod, working length 1 m

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