

Product Name :

Static Cone Penetrometer, 30KN (300KGF) Capacity, Hand Operated
For Testing Lab for Soil Testing Lab

Product Code :

P88

**Description :**

for Soil Testing - 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 2 capacities 0-160kg/cm are provided. An automatic cut-off valve, to protect the low capacity gauge from being overloaded is provided. The 2 valve can be adjusted and locked at desirable values between 20 to 60cm . 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 2 movement of the unit so that subsequent tests could be performed without shifting the entire anchorage. A 10cm 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 10cm 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 2 Pressure Gauge, 0-60kg/cm One ZI 3087-5 2 Pressure Gauge, 0-160kg/cm 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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