



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

CONE PENETROMETER - AUTOMATIC DIGITAL TIMER - WITH GEARED HEIGHT ADJUSTMENT & DIAL GAUGE - BS 1377



Compliance with following International Standards

BS : 1377 (P-2)

Application

Enables the determination of liquid limit of soil to be performed simply and quickly. The unit is supplied complete with a stainless steel penetration test cone 35mm long with a smooth polished surface and an angle of 30°.

Brief Construction Details

- The apparatus consists of a cast aluminum base with a steel chrome plated stand on which moves an aluminum arm.
- A 6" dial is fixed on this arm and a brass chromium plated rod slide through the lower portion of the arm.
- The dial is graduated from 0 - 400 in 1/10th millimeter sub division.
- A metallic test cone - (35mm long and having smooth polished surface and at an angle of 30°), is fixed at the end of a metallic rod, with a disc at the top of the rod so as to have a total sliding weight of 80 ± 0.5 gms.
- The total rod will pass through two guides (to ensure vertical movement) fixed to a stand.
- The base of the unit is fitted with the adjustable platform which can be lifted up/down according to user requirement.
- Also, arm of the instrument is fitted with adjustable mechanism in order to precisely arrange the cone tip on the sample surface.
- Height adjustment Rapid, using integral clamping mechanism
- Instrument is having electrical arrangement to release the cone automatically on press of the button and DIGITAL timer to digitally control penetration duration.

- Supplied complete with provision of Penetration cone height adjustment, Metallic penetration test cone (1 No), Penetration test cup (50mm diameter x 50 mm deep)(1 No), Automatic digital penetrometer timer, Transistorised and electrical arrangement.

Salient Features of Automatic Digital Timer

- With geared arrangement for moving the arm with geared unit.
- Provision to read time of process.
- Provision to set the time value of from 0.00 to 99.99 sec
- The timer output is 300V DC without load.
- Provision for default calibration.

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
Ahmedabad-380 006.
Phone : (079) 6621 1234
Website : www.eieinstruments.com

Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
Opp. Primary School, Village Kubadthal,
Tal-Daskroi, Ahmedabad-382 433.
Phone: (079)-3520 8300
E-mail : info@eieinstruments.com

GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F