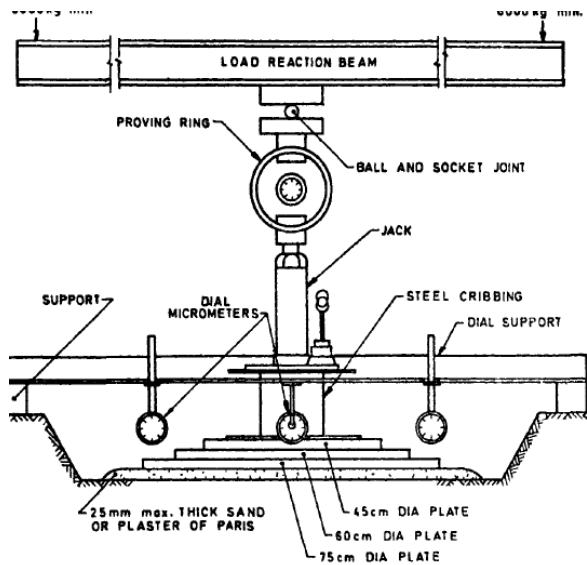




EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

DETERMINATION OF MODULUS OF SUBGRADE REACTION (K-VALUE) OF SOILS IN FIELD



This method for the determination of modulus of subgrade reaction of the soil in place (**generally known as K-value of the subgrade**), for evaluation of strength of subgrade for roads, runway pavements and raft foundations. The set up consist of Bearing plates of 75cm dia, 60cm dia, 45cm dia and 30cm dia X 25mm thick (1 No.each size), Loading attachment with ball and socket joint, Hydraulic or Screw Jack of 150 KN Capacity, Calibrated Proving ring of 150 KN with dial gauge, Digital Dial gauge of 0.001mm x 12.7mm travel (3 Nos.),Datum bar of 5 meter length, Jack pads. **Supplied without reaction beam. On site arrangement for Reaction Beam or Truss or Truck or Trailer (as per the requirement of test) will be arranged by the user/customer. As per IS:9214-1979**

Specifications of the machine:

- Capacity - 150 kN
- Least count - 7.5 kN
- Accuracy - 1%
- Piston stroke - 100 mm
- The machine will be supplied with polyhydron make hand pump
- The machine will be supplied with Hose pipe 5 meter long
- The machine will be supplied with hydraulic oil 68 no - 10-12 liters to conduct the test
- The machine will be supplied with following round plates 1 no each
 - 75cm dia, X 25mm thick
 - 60cm dia, X 25mm thick
 - 45cm dia X 25mm thick
 - 30cm dia X 25mm thick
- The machine will be supplied with proving ring of 150 kN with calibration certificate

- The machine will be supplied with dial gauge of 12.7 mm with least count of 0.001 mm with calibration certificate (3 no)

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