



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

POINT LOAD INDEX TESTER-DIGITAL-100 KN CAPACITY- MOTORIZED



Corporate Office:

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Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



Compliance Standards

ASTM D5731, IS:8764

Introduction

Point Load Index Tester, is used for determining the Diameter al Point Load Strength Index of rock cores and irregular lumps, which can be tested without any treatment. Used for testing rock, aggregate and core samples in their original shape. The Point Load Test is primarily an Index Test for strength classification of rock materials.

Salient Features

- Rock core specimens can be tested without any preparation.
- The results of the test may also be used to predict the uniaxial compressive strength of rock.
- With this instrument, a wide range of core sizes can be tested.
- The frame has adequate adjustments to align perfectly the loading axis passing through the centre of the bearing plates and loading.
- This instrument is mainly intended for field measurements on rock specimen, but it can also be used in the laboratory.
- This is a portable instrument and is useful in the field also.
- Uniaxial compressive strength for rock specimen can also be predicted approximately.

Construction Details

- The instrument comprises of a three pillar type load frame on the base of which, is fixed a **10 Ton capacity hydraulic jack** at the centre.
- **A conical platen at the top of jack.**
- The other conical platen is fixed to the top plate of the frame at its centre, The distance between two conical platen is fixed to the top plate of the frame at its centre.
- The distance between two conical platen is adjustable by vertical movement of the upper plate of the load frame.
- Loading jack with Digital pressure gauges of **0-100 KN X 0.01 KN Resolution**
- **Maximum sample size : 4" (101.6 mm)**

Technical Specification

•Weight (Approx) : 140 kg

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