



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

BENDING STRENGTH TESTING MACHINE FOR CONCRETE KERBS - 50 KN



Compliance with following international standards:

IS : 5758 (2020)

Introduction:

- Electro-Mechanical Design, quite and vibration free operation, Rate of loading controlled through AC drive.
- Capacity : 5000 kgf
- Least Count : 1 Kgf
- Accuracy : 0.2% of Full Scale

Salient Features:

- Suitable for bending strength of concrete kerbs as per **IS : 5758**
- Direct reading possible for different shapes of tiles (Square, Rectangular)
- Direct Display of Load / Collapsing Force
- Selectable Test Units - Kg, KN
- Auto-stop upon completion of Test.
- Provision for emergency switch in case, if user wants to stop the load applicator at certain height

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



- with LCD Display digital control panel.
- **INTERGERATED AC INDUCTION MOTOR WITH DRIVE to control rate of Loading @ 0.06 n/mm2 per sec.**
- With 2 MS rollers of 20 mm diameter
- The machine will be supplied complete with 40 mm diameter and 20 mm thick MS plate to apply the load of the kerb.
- With adjustable Test Span
- With Auto-Calibration facility using standard Cast Iron Weights and standard code (Weights will not be supplied with the machine)
- Complete Unit is powder coated in attractive shades
- Operation on 230 Volt, 50 Hz, Single Phase, AC Supply

Supplied with Bending strength Software (Optional accessories):

- PC Software to log & Modify the generated data
- Two way communication with the machine
- Direct reading of bending strength and Breaking strength in excel format
- Reading can be saved and printed from the computer
- Connection through RS-232 port
- User can start/stop the machine from the computer
- User can enter Batch no, Date, Time, Dimensions of the test samples for report purpose
- User can enter company LOGO for report generation
- Can export the generated report in PDF, EXCEL, WORD Format.

Note : 3 KVR servo controlled stabilizer is recommended

Technical Specification

- Design : Electro-Mechanical
- Operation : Quiet and Vibration free
- Controlling System : AC Variable Frequency Drive with AC Induction Motor
- Load cell Capacity : 5000 kgf (50 KN)
- Least count for load : 0.001 kN
- Motor Speed Control : Through AC Drive
- Test units : KG, KN Selectable
- Accuracy : 0.2% of full scale
- Can accommodate : Maximum kerb size of 600 x 600 mm (60 x 60 cm)
- Display : 4" touchable screen display.
- Construction : Mild steel body

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- Paint : Powder coating
- Power Supply : 230 volts, 50 hz, single phase, AC Supply
- Overall Dimensions : 900 X 9200 X 1140(L X W X D) mm

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