



## MOR TESTING MACHINE-1000 KGF-UP TO 80 X 120 CM TILES-ISO 10545-4-WITH AUTOMATIC PACE RATE CONTROL

### Compliance with following international standards:

IS : 13630 (Part - 6), ISO 10545 (Part-4)

### Introduction:

- Electro-Mechanical Design, quite and vibration free operation, Rate of loading controlled through AC drive.
- Capacity : 1000 kgf
- Least Count : 0.1 Kgf
- Accuracy : 0.2% of Full Scale



### Salient Features:

- Standard Digital Model with Load Cell
- Suitable for fired sample test on the same machine
- Suitable for MOR Test of Ceramic Tiles / Bars as per **ISO : 10545 (Part-4) and IS : 13630**
- Direct reading possible for different shapes of tiles (**Square, Rectangular and Round**)
- 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
- **With LCD Display digital control panel.**
- **INTERGERATED AC INDUCTION MOTOR WITH DRIVE to control rate of Loading.**
- With special guard to protect the operator against Ceramic splinters
- With 2 Rubber Lined rollers of 30 mm diameter
- 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

#### 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](http://www.eieinstruments.com)

#### Calibration Laboratory:

B-14, Zaveri Industrial Estate, Opp. Shyam Villa,  
Singra-Kathwada Road,  
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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



- Operation on 230 Volt, 50 Hz, Single Phase, AC Supply

#### **Support Rod and Central Load Applicator**

- 02 Nos. cylindrical support rods and 01 central load applicator rod covered with rubber
- One cylindrical support rod is slightly pivotable
- Other cylindrical support rod is slightly rotatable about its own axis.
- Diameter of all Metal rods :  **$20 \pm 1$  mm**
- Thickness of rubber :  **$5 \pm 1$  mm**
- Hardness of rubber :  **$50 \pm 1$  mm**

#### **Supplied with MOR Software (Optional accessories):**

- PC Software to log & Modify the generated date
- Two way communication with the machine
- Direct reading of MOR value 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	: 1000 kgf (10 KN)
• Least count for load	: 100 grams
• Load resolution	: 0.1 kg
• Motor Speed Control	: Through AC Drive
• Test units	: KG, KN Selectable
• Accuracy	: 0.2% of full scale

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- Can accommodate : Maximum tile size of 800 x 1200 mm (80 x 120 cm)
- Display : 4" touchable screen display.
- Construction : Mild steel body
- Paint : Powder coating
- Power Supply : 230 volts, 50 hz, single phase, AC Supply

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