



Description:

- The Compression Testing Machine - Economy Digital is a robust and reliable piece of equipment designed for accurately measuring the compressive strength of materials.
- This machine is ideal for a variety of industries including construction, manufacturing, and materials science research.
- Its digital interface provides precise and easy-to-read measurements, making it a valuable tool for quality control and testing laboratories

Key Features:

- Digital Display: Clear and precise digital readout for easy measurement recording.
- High Accuracy: Provides accurate and consistent compression force measurements.
- Robust Construction: Built with durable materials to withstand heavy-duty use.
- User-Friendly Interface: Simple and intuitive controls for ease of operation
- Adjustable Crosshead: Allows for testing of different sample sizes
- Safety Features: Equipped with overload protection to prevent damage to the machine and ensure operator safety.

Technical Details:

- Capacity: 2000 kN
- Platen Size: 280 mm dia

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- Ram Diameter: 210 mm
- Ram Travel: 50 mm
- Vertical Daylight: 350 mm
- Horizontal Daylight: 350 mm
- Weight (Approx.): 760 kg
- Platen Hardness: More than 550 Vickers hardness
- Electric Motor :1 HP, Single Phase
- Operation on :220 V AC Single Phase.
- Least count :0.1 KN or better
- Pace rate control :Manual control from 1 KN/Sec to 20 KN/sec
- Pumping :Motorized
- Pump_Speed: Dual speed
- Motor: Induction Motor
- Reading: Digital
- Accuracy: $\pm 1\%$
- Release_Valve_Operation: Required
- Auto_Stop_After_Failure: Available, machine stops after completion of test
- Auto_Pressure_Release_After_Failure: Not Available (Manual release required)
- Result_Calculation: Automatic
- Holding_of_Max_Load: Available
- Pace_Rate_Indication: Available
- Operator_Skill_for_Pace_Control: Required and very difficult to maintain
- Bar_Graph: Available
- Multi_Channel_Operation: 3 channel operation possible (Flexural and compression frame can be attached)
- Load_Indication_Control: Digital membrane keypad controller
- Saving_of_Records: Possible (10 readings)
- Pen_Drive_Slot: Optional (Excel format, records date, time, S.No, Peak load)
- Real_Time_Graph: Not Applicable
- Printer_Interface: Available at extra cost
- Computer_Software: Available at extra cost
- Displacement_Controlled_Operation: Not Available
- Modulus_of_Elasticity_Calculation: Not Available

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- Flexural_Attachment: Possible (Automatic calculations)
- Splitting_Tensile_Test: Possible (Manual calculation required)
- LAN_Connectivity: Not Available
- Auto_Internal_Calibration: Available (Without proving ring)
- Piston over travel safety cut off : Available at extra cost
- Over load safety cut off: Available
- Shot circuit protection : Available

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