



CATALOG FOR COMPUTERISED HORIZONTAL TENSILE TESTING MACHINE 60 TON (MODEL KJE-HTM-60)



K.J. ENTERPRISE

Specialist in Mfg. & Sales of : Testing Instruments for Cement, Concrete, Soil, Materials, Laboratory, NDT, Measuring & Surveying Instruments (Also Dealing in Electronics & Plastic Testing Instruments)

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"R.D. Calibration and Consultancy"





COMPUTERISED HORIZONTAL TENSILE TESTING MACHINE 60 TON (MODEL KJE-HTM-60)



COMPUTERISED HORIZONTAL TENSILE TESTING M/C



OPERATOR PANEL FOR HORIZONTAL TENSILE TESTING MACHINE



DIGITAL TOUGH SCREEN PANEL



OPERATOR PANEL TOUGH SCREEN MULTI PARAMETER WINDOW SCREENS





OPERATOR PANEL TOUGH SCREEN MULTI PARAMETER WINDOW SCREENS

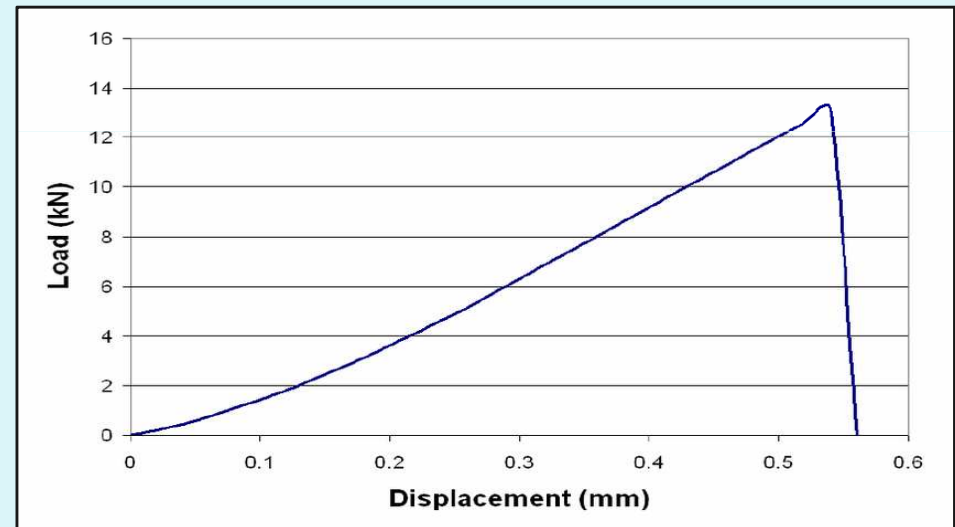
dd/mm/yy DATA CALL HH:MM:SS

TEST	SPECIMEN		
ABCD	ABCDEF		
PEAK LOAD	STRESS	UNIT	
1234.5	123.45	ABCDEF	
DISPLAY NO.	####	SHOW...	

DATA RECORD

TIME	DATE	PEAK LOAD	STRESS	UNIT	SPECIMEN
hh:mm:ss	mm/dd/yy	####.#	###.##	####	####

Navigation: **REPORT** **RESET**





COMPUTERISED HORIZONTAL TENSILE TESTING MACHINE 60 TON (MODEL KJE HTM 60)

Specification :-

- **General Description:** Computerized Horizontal Tensile Testing machine with load capacity 60ton and length 20meter lings, cables etc testing facility is required as per Indian and international standard with complete erection commissioning by The supply shall be on TURNKEY BASIS. The specification features required as described below: .

<u>Description</u>	<u>Specification</u>
•	
• Maximum Load Testing Capacity :	60TON Measuring range-20kg to 60000kgs
• Distance between heads :	20 Meter Range of testing length – upto 20 meters
• Adjustable Steps :	The cross head to be adjusted to the step of 250mm or more but less than 500mm
• Control Panel :	Computerised
• Bed Clearance :	500mm-750 mm
• Ram Stroke :	1000 mm-1500 mm
• Load Accuracy	+ 0.5% to 1% of load
• Displacement Accuracy :	0.5 to 1mm
• Software :	MS Windows based
• For test programming, evolution and logging using a windows user interface combined with PC	
• Cooling System :	Water cooled
• Calibration :	NABL accredited lab
• 'U' clamps/Grips/pins :	As required to hold the various types of slings available in IAF



COMPUTERISED HORIZONTAL TENSILE TESTING MACHINE 60 TON (MODEL KJE HTM 60)

- **Detail Technical specification for basic equipment:-**
- (a) Load frame:- The main base of the machine would be of fine grained heavy casting free from all defects and extremely rigid construction. The machine would be robust, rigid and sturdy construction. It would be designed to meet the heavy duty load and free from vibration at full load. It will be ergonomically design, precision aligned and corrosion free.
- (b) Software: Software would be Microsoft Window based. Software would be user friendly. Most function of the analysis and calibration routines should be automated, with prompts to guide the operator through each step of the process. Real time graph required for load elongation and time. Different load units can be selected like kN, Kg,lb,N, Den and displacement units should be in MM or inches.
- (c) Result Format: The analysis screen would display analytical results in a clear or easy to read format. Creation of database records with storage facilities and easy handling of database. The system would have auto as well as manual printing of Test certificate with graph.
- (d) Calibration:- Certificate of calibration of equipment for the entire range of machine from the NABL accredited lab.
- (e) Computer System:- Min configuration Processer Intel core i7 or better, RAM 8GB,HDD 1TB, monitor LED 20", DVD RW,UPS Optical Mouse, Multimedia keyboard with necessary cabling (All items would be of brand like hp,Dell,Compaq etc). One coloured laser printer for printing test reports.
- (f) Electronic cabinet and operator terminal would be designed in a compact manner with reference to load frame for easy accessibility to the working areas with cabling. Suitable cabinet should be designed to accommodate control panel and operator terminal besides storage for accessories.



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- **Detail Technical specification for basic equipment:-**
- (g) We will supply and provide spare parts catalogue, maintenance manual, troubleshooting guide, operation manual of the machine and the entire circuit diagram including PCBs circuit in English language.
- (h) Load cell should be traceable to international standard. In case of rupture test of cables, the load cell should be able to sustain the sudden load release and display the breaking load of cable.
- **Essential Accessories:** - We will supply 'U' type holding grip with pin for lifting slings, steel wire rods and cables. Firms should provide tensile test attachment/holding/grips for wire ropes, tackles, fibre strips, hump rope, cables, shackles and beams.
- **Safety Provision:** - we will provide Provision of safety cage will be there in test area. All safety instruction for operator and machines should be labeled in international manner for safe operation. Safety cage should be reliable, trustworthy and detachable. Safety and protective devices should be approved by international standard.
- **Cooling System:** - we will provide Hydraulic power pack and control panel will be intact with water cooling system for trouble free and efficient operation of the system.

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