HAARDMaster

COMPUTERISED UNIVERSAL TESTING MACHINE

FEATURES

- Loading accuracy as high as ±1%
- Straining at variable speeds to suite wide range materials.
- Facilities for Tests: Motor driven threaded columns for quick and convenient adjustment of lower cross-head to facilitate rapid fixing of test specimen.
- Easy Changeability from plain to threaded and screwed specimens.
- Wide range of standard and special attachment accessories available.
- Metal to metal contact of cylinder and piston ensuring long life and high accuracy.
- All Electrical items are of standard make.

SOFTWARE FEATURES

Input Parameters

1. Date
2. Test No.
3. Diameter or Specimen width and thickness
4. Gauge length
5. Weight
6. Length
8. Final Gauge Length

Output Parameters

1. On line service facility
2. Display while testing
   - On line graph
   - Actual Load
   - Peak Load
   - Displacement
   - Cross sectional area
3. Report
   - Date
   - Test No.
   - Specimen Dia.
   - Gauge Length
   - Final gauge length
   - Specimen Weight
   - Specimen Length
   - Weight/Meter
   - Ultimate Weight
   - Max. Displacement
   - Tensile strength (N/mm2)
   - Elongation
   - Cross section area mm2)
   - Proof load (N/mm2)
   - 0.2 Proof stress
   - Test type material
   - description
   - Remark
   - Graph

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SPECIFICATIONS

Model	CHMU-10	CHMU-20	CHMU-40	CHMU-60	CHMU-100	CHMU-200	CHMU-300
Capacity	10-MT.	20-MT	40-MT	60-MT	100-MT	200-MT	300-MT
Clearance for tensile at fully Descended working piston (mm)	50-700	50-700	50-700	50-800	50-800	50-900	50-900
Clearance for compression test at Fully descended working piston (mm)	0-700	0-700	0-700	0-800	0-850	0-900	0-900
Clearance between columns (mm)	500	500	500	600	750	850	850
Ram stroke (mm)	150	200	200	250	250	300	300
Straining/piston speeds (mm/min)	0-300	0-150	0-150	0-100	0-80	0-45	0-50
CONNECTED LOAD							
HP	1.3	1.3	2.3	2.5	3.5	6.5	8.5
V	400-440	400-440	400-440	400-440	400-440	400-440	400-440
Ø	3	3	3	3	3	3	3
Dimensions	2032 x	2032 x	2060 x	2265 x	2415 x	3000 x	3500x
L x W x H approx. mm	750 x	750 x	750 x	750 x	815x	1200 x	1900 x
	1960	1960	2180	2534	2900	3600	4450
Weight (approx.) kg	1500	1500	2500	3500	5500	12500	22000
STANDARD ACCESSORIES							
FOR TENSION TEST							
Clamping jaws for round specimens	10-20	10-20	10-25	10-25	10-25	20-40	25-50
Diameter (mm)				25-40	25-45	40-60	50-70
Clamping jaws for flat specimen	0-10	0-10	0-15	0-15	0-22	0-20	0-25
Thickness (mm)				15-30	22-44	20-45	25-50
Width	50	50	65	70	70	90	100
FOR COMPRESSION TEST							
Pair of compression plates of diameter (mm)	120	120	120	120	160	220	220
FOR TRANSVERSE TEST							
Table with adjustable rollers							
Width of rollers (mm)	160	160	160	160	160	200	200
Diameter of roller (mm)	30	30	30	30	50	70	70
Maximum clearance between supports	500	500	500	500	800	900	1000
Radius of punch tops (mm)	6.12	6.12	12.16	22	22	40	

OPTIONAL ACCESSORIES

These include load stabilizer, Brinell Test Attachment, Bend Test Attachment, Shear Test Attachment, Computer, Printer, and wide range of accessories offered on request at additional cost. Due to constant R & D, Specifications and features are subject to change without prior notice.

Manufactured By:

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