

## Computer Controlled Universal Testing Machine

TECHNICAL SPECIFICATIONS - FOR COMPUTER CONTROLLED UNIVERSAL TESTING MACHINE							
Specifications	Model						
	M1	M2	M5	M30	M50	M75	M100
Max. Capacity (kN)	1	2	5	30	50	75	100
Max. Crosshead traverse excluding grips (mm)	1000	1000	1000	1000	1000	1000	1000
Max. working width (mm)	400	400	400	400	400	600	600
Fixed and working upper & lower limit switches	√	√	√	√	√	√	√
Overall dimension H x W x D (mm) (Approx.)	1780 x 630 x 505	1780 x 630 x 505	1780 x 630 x 505	1700 x 630 x 505	1920 x 675 x 750	2640 x 1180 x 1050	2640 x 1180 x 1050
Weight (kg) (Approx.)	150	150	150	200	250	450	500
Power supply	3 Phase, 415 V, 50 Hz, AC						
Overload protection for load	√	√	√	√	√	√	√
	(Software operated & electronically operated in the event of loadcell overload)						
<b>Drive System</b>							
Method of loading	By recirculating balls screws						
Crosshead drive motor	AC servo with feed back						
Crosshead Speed	0.5 to 500 mm per min.						
Crosshead Control	Computer controlled						
Accuracy of Speed in percent	± 1%						
<b>Measurement</b>							
Load	By Precision Loads cell's						
Load resolution	10,000 counts standard (20,000 or 50,000 counts optional)						
Load Accuracy	±1% as per IS : 1828 - 1991 & BS : 1610 - 1964						
Resolution of cross head displacement in mm	0.01 mm						