

Electro Mechanical Universal Testing Machine (Single Column)



ES Series



CES Series

FEATURES :

1. Single column single ball screw driven. double space
2. Testing speed available from 0.001mm/min to 500mm/min (CES Series) and 1 mm/min to 500mm/min (ES Series)
3. Panasonic AC servo motor and AC drive
4. Three test speed control module (Displacement control, Load control and Extension control module).
5. Machine can be configured with four different load cells. Users can switch between these load cells as per requirements.(CES Series)
6. Machine can be configured with eight different extensometer sensors. Users can switch between these sensors as per requirements. (CES Series)

Technical Specification

Models		CES-1 ES-1	CES-2 ES-2	CES-3 ES-3	CES-5 ES-5
Max. Load Capacity		1 KN	2 KN	3 KN	5 KN
Structure type		Single column, Double Spaces table top			
Force Measurement	Resolution	1/20000			
	Accuracy	within $\pm 1\%$ of the reading from 2%-100% ($\pm 0.5\%$ of the reading from 0.2%–100% optional)			
	Calibration	Pre calibrated loadcell (max.4 Nos) can be interchanged without further calibration (CED Series)			
Crosshead	Resolution	0.01 mm			
	Speed Range (Stepless in mm/min.)	0.05– 500 (CED Series) 1-500 (ES Series)			
	Return speed (Stepless in mm/min.)	0.05– 500 (CED Series) 1-500 (ES Series)			
	Crosshead speed accuracy	$\pm 1\%$			
Standard Accessories		Load Cell –1 Nos.			
		Compression Plate –2 nos.			
		Power cable			
		Control connecting cable			
Weight approx (in kg)		90			
Power requirements		AC220V $\pm 10\%$, 50Hz			
Optional Accessories		Extensometers, Long travel extensometers, Vice and flat type grips, computer system , special attachments and fixtures			

*TRUOMET reserves the rights to changes the above specification due to constant improvements in design