

140 Family Universal Test Machine With Digital Controller Dual Smooth Column Load Frame

Overview

140 Family dual column electromechanical test machines are ideal for tension and compression tests at forces up to 10 kN (2250 lb). The actuator and load frame are modular and configured to force, stroke and space requirements. A smooth column frame enables the user to easily change crosshead position to accommodate a broad range of sample geometries.

Applications

- Load frame space for environmental chambers
- Tensile, compression, shear, flexural, peel, and tear tests
- Materials and product tests
- Destructive and proof load tests

Digital Controller

- Choice of three types of Digital Controllers
- High accuracy, high resolution, and high speed data capture
- Closed loop servo control of load, position, and strain channels
- Software options for machine control, data plotting, analysis and data export.

Specifications

Load Frame	140-16	140-36-60
Max Force	10 kN (2250 lb)	10 kN (2250 lb)
Column Spacing	400 mm (16 in)	900 mm (36 in)
Daylight	775 mm (31 in)	1400 mm (55 in)

Actuators	DG250	DG500	DG1000	DG2250
Max Force	1.1 kN (250 lb)	2.2 kN (500 lb)	4.5 kN (1000 lb)	10 kN (2250 lb)
Max Speed	635 mm/min (25 ipm)	250 mm/min (10 ipm)	180 mm/min (7 ipm)	50 mm/min (2 ipm)
Stroke	150 or 300 mm (12 in)	150 or 300 mm (12 in)	150 or 300 mm (12 in)	150 mm (6 in)

