



	F105-EM	F305-EM	F505-EM	F505H-EM
Load capacity*:	100 lbF [0.5 kN]	300 lbF [1.3 kN]		500 lbF [2.2 kN]
Maximum travel:	18.0 in [457 mm]			
Standard speed range:	0.5 – 13 in/min [13 – 330 mm/min]			
Optional speed range:	0.02 – 45 in/min [0.5 – 1,100 mm/min]			
Load accuracy (% of full scale)	<ul style="list-style-type: none"> ▪ Test frame: ±0.1% ▪ Force sensor: Series FS05: ±0.1% Series FS06: ±0.15% Series R07: ±0.15% 			
Load sampling rate:	5,000 Hz			
Data acquisition rate:	100 Hz (Requires Graphing & Reporting option)			
Speed accuracy:	±0.2% of setting, virtually no variation with load			
Distance accuracy:	±0.006 in [0.15 mm], at any load or position, factory-compensated (requires Distance Measurement option)			
Distance resolution:	0.001 in [0.02 mm] (requires Distance Measurement option)			
Limit switch repeatability:	±0.001 in [0.03 mm]			
Overload protection:	Motor stops at 120% of full scale of the force sensor			
Power:	Universal input 100-240 VAC, 50/60 Hz, 120W			
Fuse type:	1.2 A, 250V, 3AG, SLO BLO			
Weight (test frame only):		60 lb [27 kg]		70 lb [32 kg]
Shipping weight:		75 lb [34 kg]		85 lb [39 kg]
Environmental conditions:	<ul style="list-style-type: none"> ▪ Indoor use only ▪ Up to 6,500 ft [2,000 m] above sea level ▪ Temperature range: 40 - 95°F [5 - 35°C] ▪ Humidity range: up to 80% relative humidity at 31°C, decreasing linearly to 50% relative humidity at 40°C, non-condensing ▪ Mains supply voltage fluctuations up to ±10 % of the nominal voltage ▪ Transient overvoltages up to the levels of Overvoltage Category II ▪ Use in environments up to Pollution Degree 2 			
Conformance:	CE, UKCA			
Warranty:	3 years [see individual statement for further details]			