

Technical Specifications



DMA 503 Eplexor® Series up to ± 500 N			
	100 N	150 N	500 N
Dynamic force range	± 100 N (200 N)*	± 150 N (300 N)*	± 500 N (1000 N)*
Static force range	1500 N	1500 N	1500 N
Dynamic displacement	± 2 mm (4 mm)*	± 3 mm (6 mm)*	± 6 mm (12 mm)*
Static displacement	Up to 80 mm; 45 mm with furnace	Up to 80 mm; 45 mm with furnace	Up to 80 mm; 45 mm with furnace
Frequency range	0.0001 Hz to 100 Hz; for fatigue up to 200 Hz	0.0001 Hz to 100 Hz; for fatigue up to 200 Hz	0.0001 Hz to 100 Hz; for fatigue up to 200 Hz
Heating	<ul style="list-style-type: none"> ■ DMA 503 Eplexor®: RT to 500°C ■ DMA 503 Eplexor® HT: RT to 1500°C 	<ul style="list-style-type: none"> ■ DMA 503 Eplexor®: RT to 500°C ■ DMA 503 Eplexor® HT: RT to 1500°C 	<ul style="list-style-type: none"> ■ DMA 503 Eplexor®: RT to 500°C ■ DMA 503 Eplexor® HT: RT to 1500°C
Cooling	<ul style="list-style-type: none"> ■ AIC: -70°C to 500°C ■ LN₂: -160°C to 500°C 	<ul style="list-style-type: none"> ■ AIC: -70°C to 500°C ■ LN₂: -160°C to 500°C 	<ul style="list-style-type: none"> ■ AIC: -70°C to 500°C ■ LN₂: -160°C to 500°C
Accessories	Automatic sample changer, humidity, immersion, purge gas		
Deformation modes	Compression, tension, bending, cantilever, shear		
Software	Master curve, segments, creep/relax, load sweep, fatigue, time sweep, temperature sweep, frequency sweep, temperature-frequency sweep, universal test, hysteresis, pulse		

* Peak-to-Peak