

Product:

HAAKE MARS III

Manufactured By:

Thermo Fisher Scientific

Min. torque Rotation CS Min. Torque Rotation CR	0.01 μ Nm 0.01 μ Nm	Max. Torque Torque Resolution	200 mNm 0.1 nNm
Min. Torque Oscillation CS Min. Torque Oscillation CD	0.003 μ Nm 0.003 μ Nm	Step in velocity	10 ms
Min. Oscillation Frequency Max. Oscillation Frequency	10^{-6} Hz 100 Hz	Min. Rotational Speed CS Min. Rotation Speed CR	10^{-7} rpm 10^{-8} rpm
Motor Inertia Motor Type	10 μ km Drag cup	Max. Lift Travel	240 mm
Max. Rotational Speed	1500 (4500*) rpm	Gap Resolution	0.5 μ m
Angular Resolution	12 nrad	Min. Lift Speed Max. Lift Speed	0.02 μ m/s 20 mm/s
Step in strain	30 ms	Temperature Range	-150°C - +600°C
Min. Normal Force Max. Normal Force Normal Force Resolution	0.01 N 50 N 0.001 N	Dimensions (W x D x H)	600 x 600 x 780 mm
Weight	59Kg	Bearing Type	Air bearing 2 x Radial, 1 x axial

Temperature Control Modules

Peltier Controlled Plate	-60°C - +200°C	<i>* Option for high shear rates</i> <i>** Electrical</i> <i>*** When using suitable measuring geometries</i>
Electrically controlled hood	-40°C - +400°C **	
Liquid Controlled plate	-40°C - +200°C	
Electrically controlled plate	-40°C - +400°C	
Liquid Controlled cylinder	-40°C - +180°C	
Electrically controlled cylinder	Max. 300°C ***	
Controlled Test Chamber	-150°C - +600°C	

Rheology Solutions is the sole Australian Distributor of this product. Full product information is available to download from www.rheologysolutions.com. If you have any questions or require further information please contact us. We look forward to being of further service.

Regards from the Team at Rheology Solutions.