

ARES - Specifications

Test Station

Transducer	FRT transducer
Minimum Torque in Oscillation	High range – 2-2000 g.cm Low range – 0.02-200 g.cm
Normal/Axial Force Range	2-2000 gmF
Strain	0.003-300 %
Min Angular Displacement in Oscillation	0.005-500 milliradian
Max Angular Displacement in Steady	Not applicable
Shear rate	0.001-200 1/s
Angular Frequency Range	1E-5–500 rads/sec
Motor	Ball bearing, direct drive motor
Temperature	
Force Convection Oven, FCO	-150 °C to 600 °C
FCO Camera Viewer	
Peltier Plate	-30 °C to 150 °C
Fluid Bath	-10 °C to 140 °C
Temperature Ramp Rate	-0.1 ° to 50 °C/min
Temperature Stability	+/- 0.5 °C