

Specification sheet

easyRheo

Rheonova

Shaping rheology
solutions

Properties	Units	easyRheo Nano	easyRheo Pico
Properties			
Minimum volume	μl	86	20
Minimum measurable viscosity	Pa.s	5.24E-06	4.19E-07
Maximum measurable viscosity	Pa.s	1.30E+09	1.22E+07
Minimum measurable G* modulus	Pa.s	1.19E-04	6.57E-07
Maximum measurable G* modulus	Pa.s	1.37E+13	1.29E+11
Torque sensor			
Inertia	μN.m.s ²	1	1
response time (transient)	μs	286	286
Maximum torque	mN.m	30.4	0.35
Minimum torque - oscillations	nN.m	20	0.11
Minimum torque - steady shear	nN.m	250	20
Torque resolution	nN.m	6.5	0.05
Angular resolution	nrad	38	38
Rotation of lower geometry			
Minimum frequency	μHz	0.1	0.1
Maximum frequency	Hz	50	50
Minimum continuous rotational speed	μrad/s	0	0
Maximum continuous rotational speed	rad/s	57	57
Motor resolution	μrad/s	6.0	6.0
Vertical displacements of measuring head			
Travel	mm	100	100
Maximum speed	mm/s	10	10
Displacement increment	μm	10	10
Temperature regulation			
Temperature technology	-	Air Peltier	
Minimum temperature	°C	5	5
Maximum temperature	°C	150	150
Resolution	°C	0.01	0.01
Stability	°C	±0.05	±0.05
Device specifications			
Power supply	-	120 / 230 V ~, 0.8A, 50 / 60 Hz	
Dimensions (* Approximate values (± 2 cm) depending on feet adjustment)	-	L: 41 cm – W: 46 cm – H*: 57 (low position) / 68 (high position) cm	
Weight	-	26 kg	