ramé-hart Oscillator

Model 100-28

Oscillator (p/n 100-28)

The ramé-hart Oscillator provides precisely controlled periodic oscillatory deformation of sessile and pendant bubbles and drops in order to allow for the measurement of surface dilatational elasticity and viscosity using the axisymmetric drop and bubble shape method. Designed to sit inline between the Automated Dispensing System and the final dispensing tip or needle, the Oscillator is stepper motor-driven and fully software controlled using ramé-hart DROPimage v2.4 or higher software. The Oscillator requires an Automated Dispensing System and current-generation Model 250, 260, 500, 590 or a legacy system that has been upgraded. DROPimage Advanced includes a methods editor which incorporates an array of parameters for controlling the frequency, acceleration, timing and steps of the oscillation commands. This product includes (1) one year parts and labor warranty.

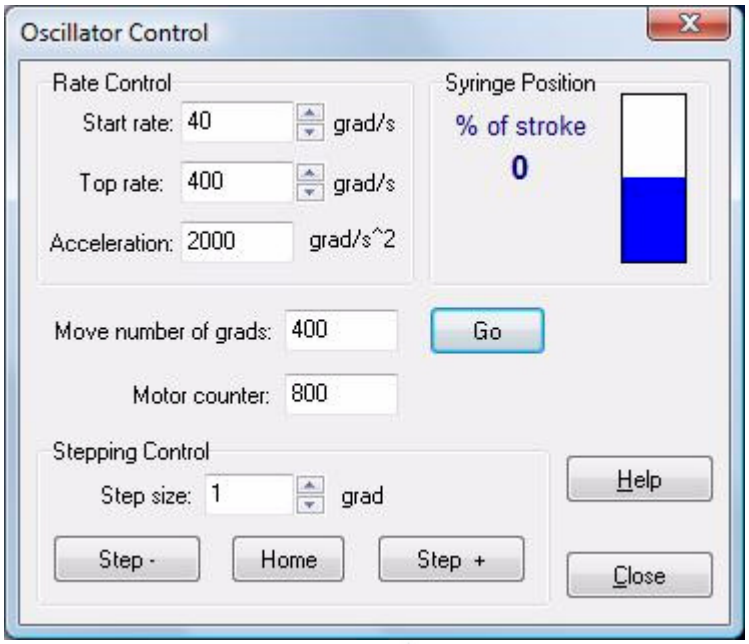
What's in the box: Oscillator, serial cable, power cable, interconnect tubing, one 50uL syringe (other sizes available), stroke-adjustment tool, and detailed User Guide. Note that this product requires the DROPimage Advanced v2.4 or higher which is not included.

Specifications

Size	6 x 6 x 6 in (150x150x150mm)
Weight	7 lbs / 3.2 kg
Standard Syringe	50µL
Stroke Volume	0-250µL*
Oscillatory Frequency	0-25Hz software-controlled
Drive System	Stepper Motor and Controller
Manual Stroke Adjust	Yes
Required Software	DROPimage Advanced v2.4 or up
Measures	Surface Dilatational Elasticity
Logs	A0, A(amp), Omega (ω), Fi1, Gamma, G(amp), Fi2, E', E'', tg(d), A/G; E' and E" can be plotted as a Function of frequency.
Communications	RS232 Serial
Power Supply	110 or 220 VAC

Options		
	Syringe 250µL	p/n 100-22-25
	4mm/2mm Bubble Adapter	100-28-11/12
	Adapter for 100-07	100-28-13
	Replacement Tubing	100-22-726172

* requires optional 250µL syringe.



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