

RV-10000 - Tuning Fork Rheometer (Basic Model)

Order code: **0201.RV10000**



Information about product price on demand

Parameters

Series

A&D RV

Quantitative unit

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- Repeatability as high as 1% of the measured value (by S.D.) even with low viscosity sample fluids
- Shear rate changes by controlling the sensor plate vibration amplitude

- Easy setup/cleaning and very quick measurement (stabilization in 20 seconds)
- Wide continuous measurement range (max. 0.3 to 25,000 mPa·s)
- Little interference to the sample fluid
- Possible to measure fluids in motion
- Automatic change of the amplitude (shear rate) and capturing data in the manner set by the user
- Real-time graphing of viscosity variation with time, temperature, as well as shear rate
- Unique Controller (Only with the RV-10000A)
- Simultaneous measurements of temperature and viscosity
- Unrivalled sensitivity and precision
- Easy calibration by the user
- Windows Communication Tools Software “WinCT-Viscosity”
- Saving results (in CSV format) and graph screens (as JPEG images) in USB flash drive

Measurement method	Tuning fork vibro method (natural frequency at 30Hz)		
Amplitude range	0.07 to 1.2 mm		
	amplitude	range	
	0,07 mm	2,000 to 25,000 mPa·s	
	0.1 mm	20 to 25,000 mPa·s	
	0.2 mm	0.3 to 25,000 mPa·s	
Viscosity measurement range	0.4 mm	0.3 to 12,000 mPa·s	
	0.6 mm	0.3 to 5,000 mPa·s	
	0.8 mm	0.3 to 5,000 mPa·s	
	1.0 mm	0.3 to 3,000 mPa·s	
	1.2 mm	0.3 to 3,000 mPa·s	
Repeatability	1% of the measured value (standard deviation)		
Accuracy	±3% (1 to 1000 mPa·s) when the amplitude is set to 0.4 mm		
	Range (mPa·s)	Minimum display (mPa·s)	Minimum display (Pa·s)
	0.3 to 10	0.01	0.0001
Minimum display	10 to 100	0.1	0.0001
	100 to 1000	1	0.001
	1000 to 25000	10	0.01
Viscosity measurement unit	mPa·s, Pa·s, cP, P		
Minimum sample amount	10 ml		
Temperature display	0 to 99°C/0.1°C ; 100 to 160°C/1°C		