

RV-10000 - Tuning Fork Rheometer (Basic Model)

Order code: **0201.RV10000**



Information about product price on demand

Parameters

Series

A&D RV

Quantitative unit

ks

- 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
- Easy set-up and very quick measurement

| | | | |
|-----------------------------|---|-------------------------|------------------------|
| 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 | | |