

CNG601 SPINNING DROP TENSIO METER



SPECIFICATIONS

Interfacial Tension Measurement Range: 10^{-6} ~ 100 mN/m

Interfacial Tension Measurement Resolution: 10^{-6} mN/m

Spinning Drop Volume Measurement Range: 0.01 μ L ~ 14 μ L

Spinning Drop Volume Measurement Resolution: ± 0.01 μ L

Optics Resolution: 2 μ m

Measurement Image Resolution: 1440 \times 1080, Panorama Image Resolution: 1280 \times 100

Camera Sensor Type: CMOS

Camera Frame Rate: 20 fps

Rotational Speed Control Range : 1000 ~ 10000 rpm

Rotational Speed Long Term stability: ± 1 rpm

Rotational Speed Control Motor Type: Brushless DC motor

Measurement Tube Vibration: Less than 0.05mm/s, 5000rpm

Temperature Control Range: 25 $^{\circ}$ C ~ 100 $^{\circ}$ C

Temperature Control Resolution: ± 0.1 $^{\circ}$ C

High Precision Semiconductor Temperature Sensor Resolution: 0.01 $^{\circ}$ C

Measurement Stage Tilting Range: $\pm 20^{\circ}$

Measurement Stage Tilting Control Mode: Auto and Manually

Special functions:

Panoramic Observation of Measurement Tube

Automatic Detection of Spinning Drop

Automatic Control of Spinning Drop Position

Automatic Tracking of Spinning Drop

Automatic Measurement of Interfacial Tension

Automatic Generation of Interfacial Tension Data Chart

Programming Measurement, Auto Conducting Multiple Interfacial Tension Measurements of Different Setting Value Combination of Rotational Speed, Temperature, and Measurement Period.

Other parameters:

Tempered Glass Operation Panel, Acid and Alkali Proof

High Sensitivity Capacitive Touch Button

Interfacial Tension Measurement Software Supports Windows 10 64bit

Experiment Result Report Automatic Generation, Microsoft Word Format

Experiment Result Report Format Can Be Customized

Experiment Data Export, Microsoft Excel Format

Experiment Data Export Format Can Be Customized

PC Interface: USB 3.0 x 1

Instrument Dimensions: 421mm×295mm×345mm (Length × Width × Height)

Weight: 17kg (Without Accessories)

Providing 2mm, 5mm High Purity Quartz Measurement Tube

Power Voltage/Frequency: 100 ~ 240 VAC, 50/60 Hz

Power Consumption: Rating 180W, Maximum 240W