

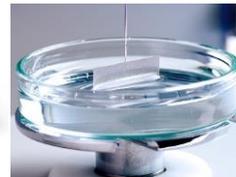
Surface/interfacial tension, lamella length, sedimentation behavior

DyneMaster DY-300

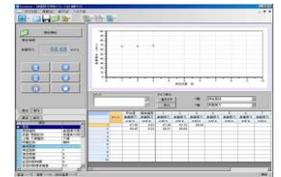


The DY-300 is a fully-automatic, multi-purpose, easy-to-use surface tensiometer for reliable measurements of surface and interfacial tension, lamella length, sedimentation behavior and liquid density.

High-quality components and the durable design combined with a video user manual integrated into the software guarantee user-friendly operation.



Surface Tension Measurement



FEATURES

- ◆ "One-click" fully automated operation
- ◆ Easy parameter setting to adapt various measuring standards
- ◆ Video user manual for user-friendly operation
- ◆ High-quality components and durable design

MEASURING METHODS

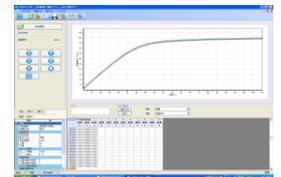
- ◆ Surface and interfacial tension using plate and ring methods
- ◆ Lamella length using the ring method
- ◆ Liquid density
- ◆ Sedimentation behavior

TYPICAL APPLICATIONS

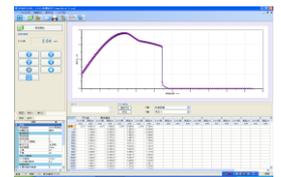
- ◆ **Surface tension:** Paints, inks, and additives for coating processes
- ◆ **Interfacial tension:** Transformer oil, emulsions, surfactant solutions
- ◆ **Lamella length:** Paint leveling, foaming stability of coatings, and fire extinguishing agents
- ◆ **Sedimentation behavior:** Flocculants used in wastewater treatment, stability of suspensions, such as paints and pigmented inks



Sedimentation Behavior Measurement



Lamella Length Measurement



SPECIFICATIONS

	DY-300
Measuring methods	Surface and interfacial tension, Lamella length, Liquid density, Sedimentation behavior
Measuring range	0 to 1000 mN/m
Accuracy ¹⁾	0.2 mN/m
Resolution	0.01 mN/m
Calibration method	By external calibration weight
Stage speed and stroke	0.004 to 5.0mm/s, 48 mm
Measuring probes	Platinum (Wilhelmy) plate, Platinum (Du Noüy) ring
Optional measuring kits	Liquid density (Gay-Lussac Pycnometer method: 0.001 to 3.3 g/cm ³ ±0.0001 g/cm ³), Sedimentation behavior
Measuring temperature ²⁾	Jacket type: +10 to +70 °C, Heater type: Ambient to +150 °C
Instrument dimensions (WxDxH)	255 x 309 x 369 mm
Instrument weight	12.5 kg
Power supply	AC 100 to 240 V, 50/60 Hz, 35 W, 75 VA
Operating environment	Temperature: +10 to +35 °C, humidity: 30 to 80 %RH (non-condensing) Positioned away from sources of electrical noise and vibration

¹⁾ Accuracy is the repeatability in terms of standard deviation based on the manufacturer's standard.

²⁾ Optional

For detailed information, please get in touch with our sales partner or us directly at +81-48-483-2629 or overseas-sales@face-kyowa.co.jp.

Specifications and designs are subject to change without notice.

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