

Surface/interfacial tension, lamella length, sedimentation behavior

DyneMaster **DY-300**

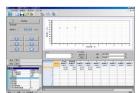




The DY-300 is a fully-automatic, multi-purpose, easy-to-use surface tensiometer for reliable measurements of surface and interfacial tension, lamella length, sedimentation behavior and liquid density.

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

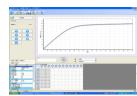
TYPICAL APPLICATIONS

◆ Surface tension:
 ◆ Interfacial tension:
 ◆ Lamella length:
 Paints, inks, and additives for coating processes
 Transformer oil, emulsions, surfactant solutions
 Paint leveling, foaming stability of coatings, and

fire extinguishing agents

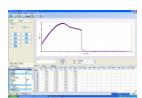
Sedimentation behavior: Flocculants used in wastewater treatment, stability
of suspensions, such as paints and pigmented inks





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 - 5.0mm/s, 48 mm
Measuring probes	Platinum (Wilhelmy) plate, Platinum (Du Noüy) ring
Optional measuring kits	Liquid density, Sedimentation behavior
Measuring temperature ²⁾	Jacket type: +5 to +90 °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.

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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http://www.face-kyowa.com

²⁾ Optional