

PAT-1M



Advanced characterization of liquid interfaces

The PAT-1M combines drop and bubble profile analysis with a modular experimental platform for surface tension, interfacial tension, contact angle and interfacial rheology.

Applications

- Surfactants & proteins
- Liquid-liquid interfaces
- Wetting & solid surfaces
- Interfacial layers

Measurements

- Surface & interfacial tension
- Contact angle
- Dilational rheology
- Dynamic interface analysis

1–1000

MN/M
Surface & interfacial tension

1°–179°

CONTACT ANGLE
Wetting characterization

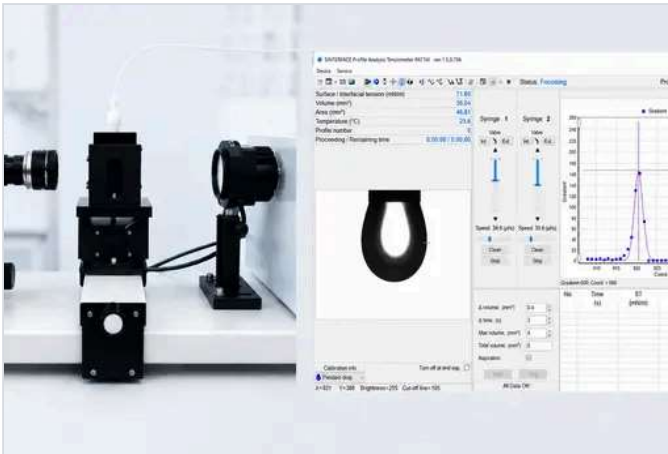
0.1 s

TIME RESOLUTION
Dynamic measurements

Drop and bubble profile analysis connects interface geometry with quantitative interfacial properties. Measurements can be followed in real time to investigate adsorption, wetting and dynamic interface behavior.



Flexible measuring cells and capillary configurations for advanced drop and bubble experiments.



Real-time analysis and visualization of interfacial measurement data.

Modular by design

Configure the PAT-1M with dedicated modules, dosing systems, measuring cells and capillaries to match advanced experimental requirements.

ODBA-1M · DPA-1M · DBMM-1M · Automatic Dosing

Key specifications

PAT-1M

Surface / interfacial tension	1 – 1000 mN/m
Contact angle	1° – 179°
Time resolution	0.1 s
Oscillation frequency	0.001 – 0.2 Hz
Temperature range	0 – 80 °C*

*Depending on instrument configuration. Technical specifications are subject to change.

Full specifications available
in the Technical Datasheet