

PAT-1P



Compact characterization of liquid interfaces

The PAT-1P combines drop and bubble profile analysis with a compact instrument platform for surface tension, interfacial tension, contact angle and time-resolved interface characterization.

Applications

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

Measurements

- Surface & interfacial tension
- Contact angle
- Dynamic interface analysis
- Optional dilational rheology

1–1000

MN/M

Surface & interfacial tension

1°–179°

CONTACT ANGLE

Wetting characterization

0.1 s

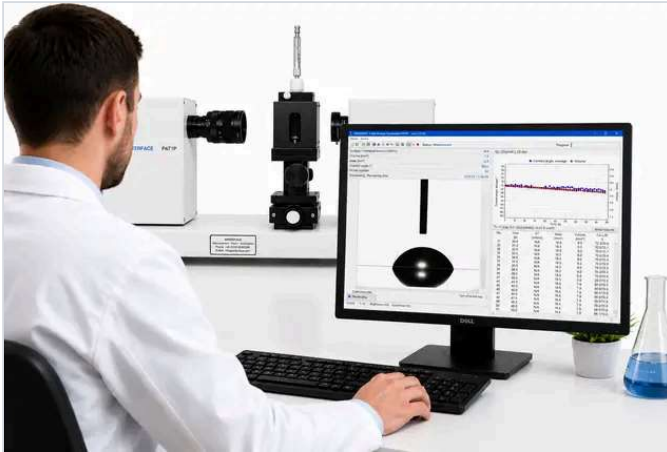
TIME RESOLUTION

Dynamic measurements

Drop and bubble profile analysis connects interface geometry with quantitative interfacial properties. The PAT-1P combines this measurement principle with a compact instrument design and real-time software analysis for liquid interfaces and wetting.



Compact optical arrangement with manual dosing and flexible measuring configurations for drop, bubble and contact-angle experiments.



Real-time calculation and visualization of contact angle, surface/interfacial tension, area and volume.

Compact and configurable

Configure the PAT-1P with optional automatic dosing, temperature-controlled cells and dedicated capillary systems for extended experimental workflows.

Automatic Dosing · Temperature Control · Coaxial Capillary · Contact Angle Configuration

Key specifications

PAT-1P

Surface / interfacial tension	1 – 1000 mN/m
Contact angle	1° – 179°
Time resolution	0.1 s
Contact angle accuracy	± 0.1°
Temperature range	0 – 80 °C*

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

Full specifications available
in the Technical Datasheet