

Measurement	Contact angle Sessile	Surface energy Energy	Sliding angle Tilted	Surface tension Pendant
Range	10° to 175°	up to 100 mN/m	10° to 175°	up to 75 mN/m
Resolution	0.01°	0.01 mN/m	0.01°	0.01 mN/m
Accuracy	±0.35°	±0.03 mN/m	±0.35°	±0.03 mN/m
Model	Young-Laplace and polynomial	Equation of State, Fowkes, Oss and Good	Polynomial	Young-Laplace
Drop type	Sessile advancing, receding and static	Sessile static	Tilting sessile	Pendant static and dynamic

TILTING PLATE AND DOSING

Control	Manual and Automatic
Tilt range	0° to 60°
Dosing system	Manual and Automatic
Minimum drop volume (automatic dosing)	0.05 µL
Drop volume (manual dropper)	1 rotation is 5.29 µL

SOFTWARE

Application	Android and iOS based software
Security	Multiple user accounts per device
Data sharing	Email and cloud (Google Drive, Dropbox, MS OneDrive and Box)
Interfaces	Bluetooth, Wi-Fi, USB, cellular

CAMERA

Performance	10 fps
Zoom	4x
Focus	Manual
Sensor	Trigger control based on camera level

ILLUMINATION

Type	High power LED
Size	68 by 51 mm

INSTRUMENT DIMENSION

Footprint 30 (H) × 15 (W) × 45 (L) cm

Weight 1 kg

ENVIRONMENT

Temperature 10°C to 45°C

Humidity Without condensation

POWER

Voltage 5 V, battery only operation

Battery time Up to 8 h

★ ★ ★ WARRANTY

Warranty of 5 years, excluding consumables such as the phone and syringe, with free software upgrades for 5 years.

WHAT IS IN THE BOX?

Standard version

- Base plate
- LED light
- Phone holder
- Google Pixel phone
- Sessile stage
- Hamilton syringe and syringe holder

Add-ons

- Automatic Dropper
- Automatic Sliding Stage
- Fabric sample holder
- Custom sample holders, on request

Add-ons are not included in the standard box.

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