

THE DROPOMETER

The world of Surface Science simplified
with **Smartphone Technology**

LEARN MORE

Instrument Unboxing, Assembly
& Software Demo

Droplet Lab

HOW IT WORKS!



FLAGSHIP INSTRUMENT
WITH **AUTOMATIC DROPPER**



COST-EFFECTIVE

Droplet Lab drastically reduces the initial investment costs associated with tensiometers while maintaining high end features.



EASY TO USE

The app at the heart of the Dropometer is simple and intuitive to use, bypassing any need for paid user-training courses. With Droplet Lab, you can be up and running in less than twenty minutes.



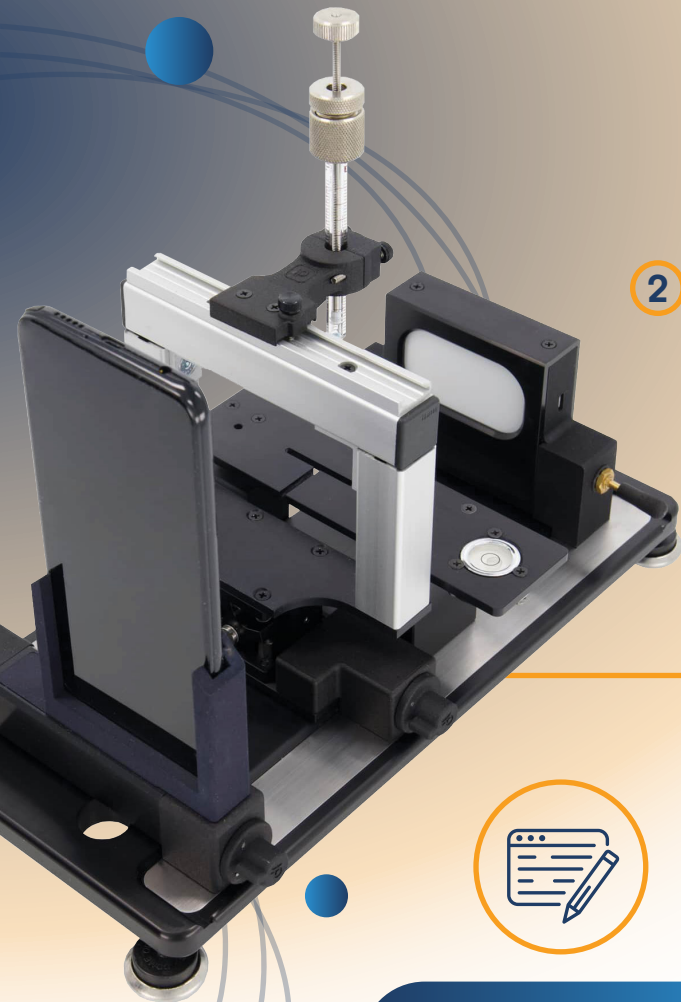
SMARTPHONE-BASED

The system doesn't require the use of additional laptops or desktop computers and benefits from the full connectivity of a smartphone.

MEASUREMENT	METHODS
STATIC AND DYNAMIC CONTACT ANGLE	Young-Laplace and Polynomial
STATIC AND DYNAMIC SURFACE TENSION	Young-Laplace
SLIDING ANGLE	Polynomial
SURFACE ENERGY	Equation of States, Fowkes, Oss and Good



Droplet Lab



CUSTOMER TESTIMONIALS:



FLAGSHIP INSTRUMENT WITH **MANUAL DROPPER**



PEER-REVIEWED

The patented technology that the dropometer is built on was designed by experts in the field of tensiometry and has undergone extensive peer review, ensuring the system operates to the highest standards.



PORTABLE

Dropometer's significantly reduced size and weight makes it the ideal choice for teaching and fieldwork measurements.

DIMENSIONS	30(H) x 15(W) x 45(L) cm
WEIGHT	1 KG
MIN. DROP VOLUME WITH AUTOMATIC DROPPER	0.05 μ L
DROP VOLUME WITH MANUAL DROPPER	1 rotation is 5.29 μ L

◆ Trusted by Fortune 500 companies and Ivy League Universities



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Products specifications	Sessile	Energy	Tilted	Pendant
MEASUREMENT				
Range	10º to 175º	Up to 100mN/m	10º to 175º	Up to 75mN/m
Resolution	0.01º	0.01mN/m	0.01º	0.01mN/m
Accuracy	0.35º	0.03mN/m	0.35º	0.03mN/m
Model	Young-Laplace and polynomial	Equation of states, Fowkes and, 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			
Range	0º to 60º			
Dosing system	Manual & Automatic			
Minimum Drop Volume with Automatic Dosing	0.05µL			
Drop Volume with Manual Dropper	1 rotation is 5.29µL			
SOFTWARE				
Application	Android and iOS based software			
Security	Multiple user account per device			
Data sharing	Email and cloud (Google drive, Dropbox, MS One drive and Box)			
Interfaces	Bluetooth, wifi, usb, cellular			
CAMERA				
Performace	10fps			
Zoom	Zoom			
Focus	4x			
Focus	Manual			
Sensor	Trigger control based on camera level			
ILLUMINATION				
Type	High power LED			
Size	68 by 51mm			
ENVIROMENT				
Temperature	10º to 45º			
Humidity	Without condensation			
INTRUMENT DIMENSION				
Footprint	30(H) x 15(W) x 45(L) cm			
Weight	1Kg			
POWER				
Voltage	5V battery only operation*			
Battery time	Up to 8h			

