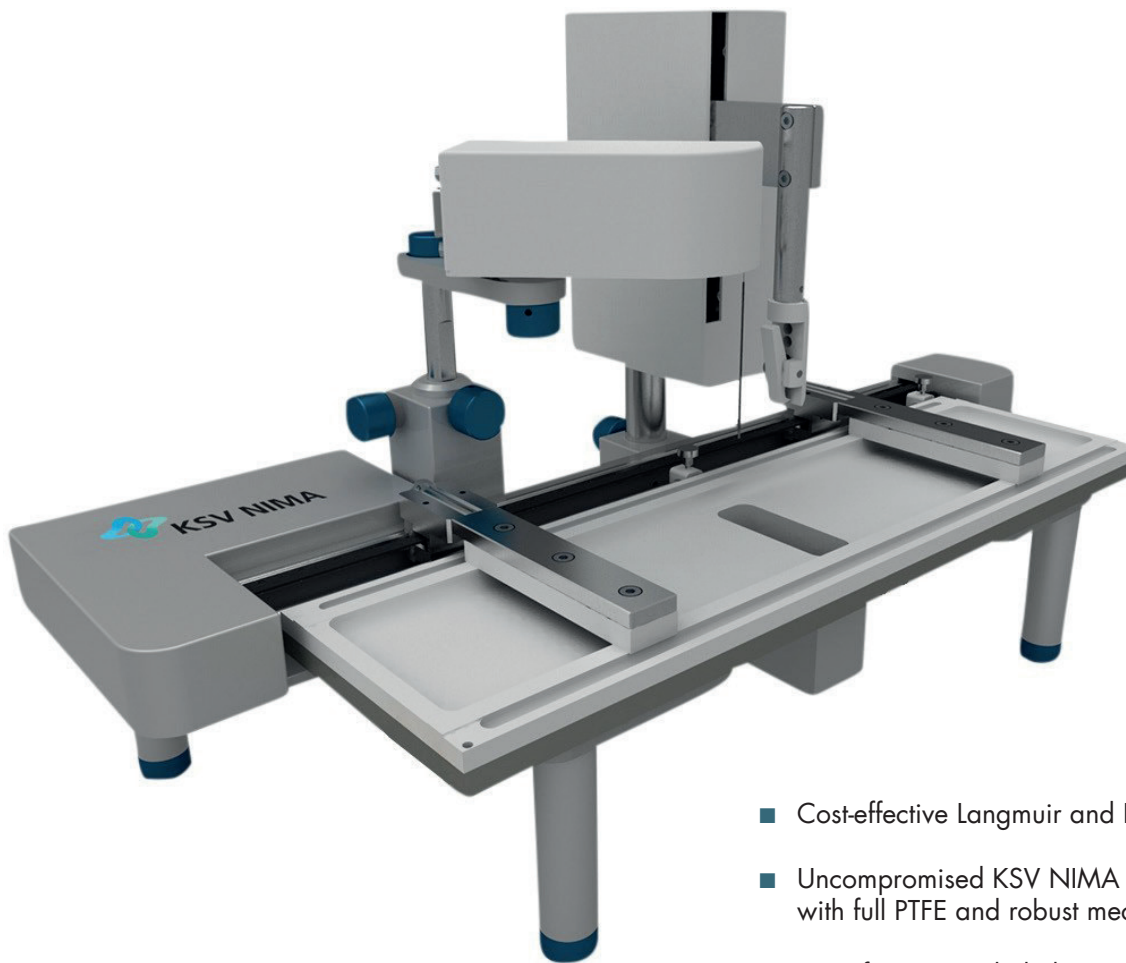


Academic Langmuir and Langmuir-Blodgett Troughs

Visualize your monolayer



- Cost-effective Langmuir and Langmuir-Blodgett
- Uncompromised KSV NIMA quality with full PTFE and robust mechanics
- Core features included Cost-effective Langmuir and Langmuir-Blodgett
- Uncompromised KSV NIMA quality with full PTFE and robust mechanics
- Core features included

KSV NIMA Academic Langmuir and Langmuir-Blodgett Troughs are high-quality entry level systems for effective thin layer coatings and studies. They combine the knowhow based on over 30 years of experience in working with Langmuir films with the most essential features of the Langmuir and Langmuir-Blodgett methods.

Academic Langmuir and Langmuir-Blodgett Troughs

Visualize your monolayer

Features and benefits

KSV NIMA Academic Langmuir and Langmuir-Blodgett Troughs include all the most essential parts for high quality L&LB research:

- Stable surface pressure readings with disposable Wilhelmy paper plates
- Super-sensitive balance with 0.06 $\mu\text{N}/\text{m}$ resolution
- Can be upgraded with characterization instruments such as MicroBAM and SPOT
- Easily adjustable safety limit switches for barriers
- Interface unit includes display and keyboard to increase user-friendliness
- All sensitive parts enclosed in covers to protect them
- Using the proven and powerful KSV NIMA LB Software
- The world leading KSV NIMA LB

What is different compared to standard KSV NIMA L&LB Troughs?

- No possibility for temperature control or temperature measurement
- Surface pressure reading with paper Wilhelmy plates only
- No start-up kit included
- Can be upgraded to the full KSV NIMA L&LB Troughs at any time

	Academic Langmuir Trough	Academic Langmuir-Blodgett Trough
Surface area [cm ²]	273	273
Trough top inner dimensions (L x W x H) [mm]	364 x 75 x 4	364 x 75 x 4
Maximum compression ratio	10.8	10.8
Barrier speed [mm/min]	0.1...270	0.1...270
Balance measuring range [mN/m]	0...300	0...300
Maximum balance load [g]	1	1
Balance resolution [$\mu\text{N}/\text{m}$]	0.06	0.06
Total subphase volume [mL]	109	176
Dipping well dimensions (L x W x H) [mm]	N/A	20 x 56 x 60
Maximum sample size (T x W x H) [mm]	N/A	3 x 52 x 56 (2 inches)
Dipping speed [mm/min]	N/A	0.1...108