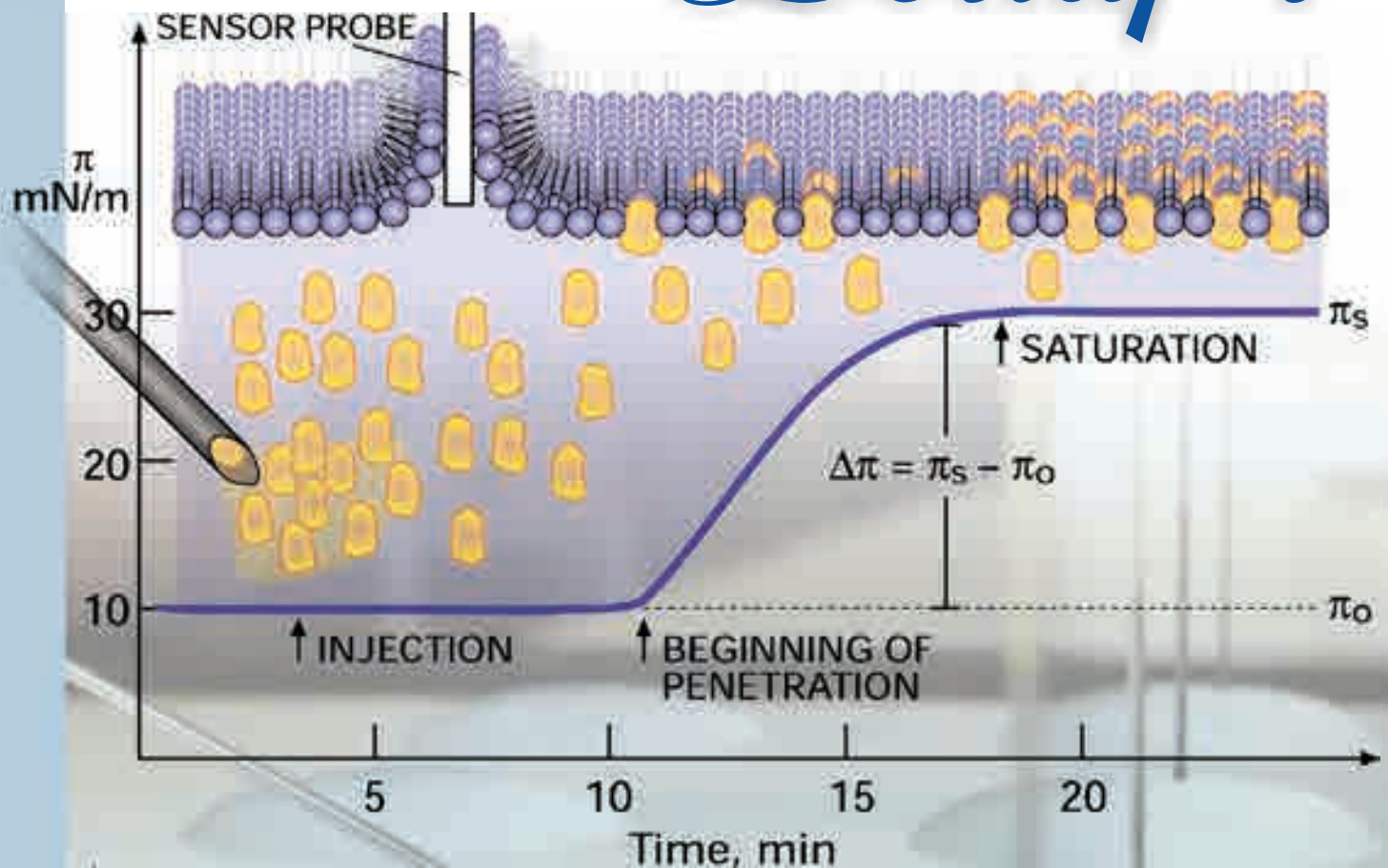


Easiest and fastest way to measure  
*binding of proteins, peptides, & drugs  
to lipid membranes*

# *DeltaPi*



## Kibron DeltaPi and DeltaPi4 - unique Langmuir tensiometers

- ▣ Monitoring enzyme action on monolayers
- ▣ 2-D crystallization of proteins
- ▣ Measuring ligand/lipid interactions
- ▣ Complex formation by nucleic acids and cationic lipids
- ▣ Determination of the surface activity and CMC of drugs
- ▣ Measuring dynamic surface tension

## Technical Specifications

### Physical dimensions

DeltaPi (single channel):

- ▣ Base mechanics: 33 x 14 x 6 (h) cm ( 13 x 5.5 x 2.4 inches)
- ▣ Electronics: 27 x 23 x 8 cm (10.6 x 9 x 3.1 inches)
- ▣ Total weight: 2.8 kg (5.9 lbs)

DeltaPi4 (four channel):

- ▣ Base mechanics: 27 x 28 x 16 (h) cm ( 10,6 x 11 x 6,3 inches)
- ▣ Electronics: 27 x 23 x 8 cm (10.6 x 9 x 3.1 inches)
- ▣ Total weight: 7 kg (14,7 lbs)

### Surface pressure measurement

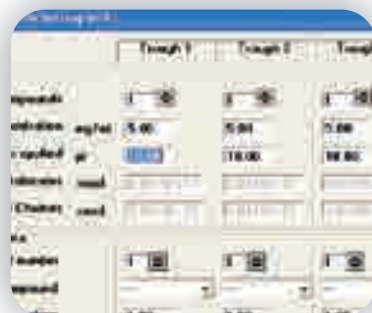
- ▣ Dynamic range 0-130 mN/m
- ▣ Resolution 10  $\mu$ N/m
- ▣ Wilhelmy method using a small diameter ( 0.51 mm) special inert alloy wire.

### Troughs

- ▣ 12 well metal alloy and high purity PTFE
- ▣ Several models (also custom made) available
- ▣ 1 ml in surface pressure measurements
- ▣ Subphase can be magnetically stirred

### Software

- ▣ DeltaGraph is our powerful, easy-to-use, and intuitive software package running under Windows 9X, NT, 2000, and XP. DeltaGraph records and stores your experiments, and also analyses dynamic changes in surface tension.



*the leading edge in monolayers*

