

InterFacial Tension Cell – IFT Cell



General Features

Our cell with a huge field of view can measure the interfacial tensions liquid/liquid, gas/liquid and liquid/gas by the pendant drop method, and also the contact angles between liquid/ solid.

General Specifications	
Working Pressure	1000 bar (15 000 psi)
Working Temperature	Ambient to 200°C
Piston Bottles Volume	100 ml
Software	Windrop

The cell can be turned over. It makes possible to measure interfacial tensions water into gas or oil into gas or water into oil and after, the cell is turned over oil into water.

Diameter of visibility is 36 mm.

The equipment is composed of:

- 1 cell HP/HT
- Electrical heating system
- Accessories for valves, sampling bottles and pumps for drops formation
- 1 visualization system on PC with video camera and with macro zoom and lighting
- Software for contact angle and surface tension in one instrument

CCD Digital Video Specifications	
Video Signal	Numerical
Digital Zoom	10x
Resolution	31.4 M Pixels
Working Distance	10 to 800 mm
Pictures	JPEG , 1392 x 1040

Pendant Drop



Piston Bottles



Manual Pump

