

# Pocket Goniometer PGX+

**MODEL  
68-76**



## Small and easy to handle

The PGX+ measures contact angle (dynamic and static), surface tension, and surface energy. The PGX+ makes a drop in  $\mu\text{l}$  according to the size that is set. The drop is automatically released and 80 images per second are made. The instrument is used for paper & board, solar cell panels, windshields, metal cylinders and similar surfaces. For most tests deionized water is used, however using other liquids is also possible. Contact us if you want to use any other liquids.

## Test results

During testing the instrument is connected to the special PC software. The software gives you an easy overview of the possible tests. During the test the data transferred to the computer. The pictures taken and the results can be stored and analyzed. Thanks to the direct feedback, adjustments to improve the results can easily be made.

## Features

- Easy to handle, small sized
- Registration with 80 frames/ second
- Purity of liquids, Surface Tension, Static and Dynamic Contact Angle
- Multiple test fluids possible
- Runs on every Windows computer
- Power from USB connection
- No sample preparation

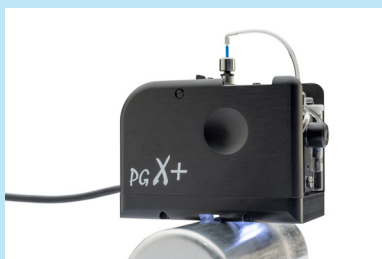
## International Standards

- TAPPI T458
- ASTM D-724
- ASTM D-5946

**Is your required standard not here? Ask us**



**Taking care  
of quality**



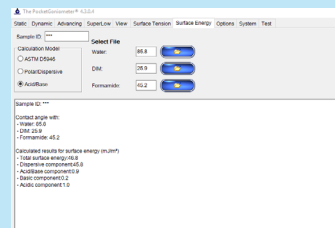
### Portable instrument

The PCX+ is portable and therefore easy to use even in the field. The small instrument is connected to a PC or laptop and get it's power through USB.



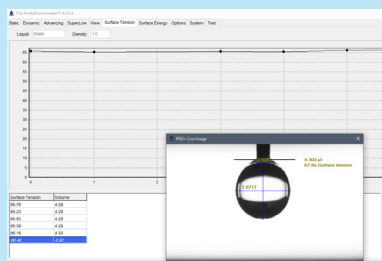
### Static and dynamic Contact

Both the Static and Dynamic Contact Angle is measured. Almost every 1 hundreds of a second an image is taken capturing the change of contact angle.



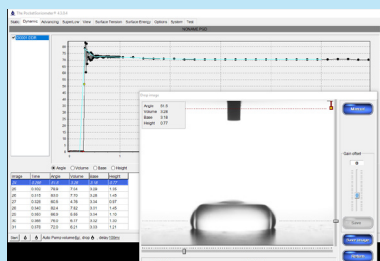
### Surface energy

Surface "free" Energy (SFE) is the available force on a solid surface to attract the liquid molecules. The SFE is calculated after perform the test.



### Surface tension

The shape of the pendant droplet is registered by the camera. The shape of the droplet gives information on the intermolecular forces.



### Test results

80 frames per seconds gives you a great opportunity to physically see how the drop shapes. The computer uses the frame to give you 80 calculations per second



### Dosing unit

The dosing unit enables you to use fluids with higher viscosity. Because of the more precise dosing this options is also more consistent.

### Specifications

Model	68-76-00-0001
Liquid size	0.5 – 10 microliter
Results	images and statistics
PCX+ software	Included
Changing fluids	possible

### Installation requirements

Electrical	through USB connection
Dimensions	90 x 55 x 90 mm (LxWxH)
Weight	500 gram

### Output

Through USB to special software

### Options and accessories

68-76-01	PCX+ Dosing unit
68-76-12	Liquid Container Kit (5 items)
68-76-16	Kit Silicon Tubing (2 items)
86-76-10	Kit PTFE Tubing Diameter 0.45/0.7