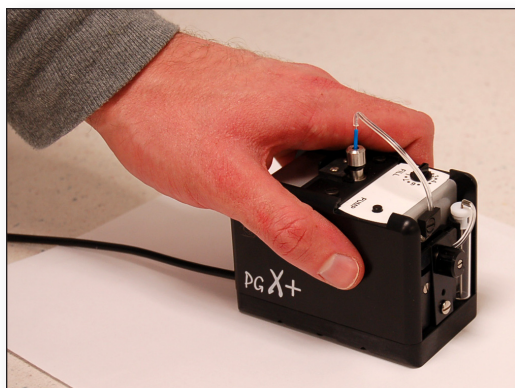


# POCKETGONIOMETER PGX+ MODEL 68-76



The model 68-76 *PocketGoniometer* PGX+ is a portable, video-based instrument designed for quality control applications. To quickly perform a measurement, simply place the unit directly on the specimen and press “start.” No sample cutting or preparation is required, saving set up time and eliminating the need for sample manipulation.

The integrated pump delivers accurate droplets in steps of 0.5  $\mu$ l and the built-in camera captures single droplet images to determine the static contact angle at “equilibrium” or a sequence of images to measure the dynamic wetting, rate of sorption and spreading as a function of time. The PGX+ software measures surface tension of the test liquid, calculates the surface energy of a solid and includes a report generator. The PGX+ is connected directly to the USB port of a laptop or a desktop computer.

The PGX+ is shipped in a carrying case complete with a User’s Manual, software for Windows 2000/XP/Vista/7/8 32 & 64 bit, a calibration kit, spare pump tubing and a droplet dispenser.

## KEY FEATURES

***Checks Surface Properties***  
for Contamination, Adhesion and Printability of metals, polymers, glass, paper, board and more

***Portable and Convenient***  
no sample cutting required

***Measures Static Contact Angle***  
on non-sorptive surfaces

***Measures Dynamic Contact Angle***  
as wetting, absorption and spreading over time

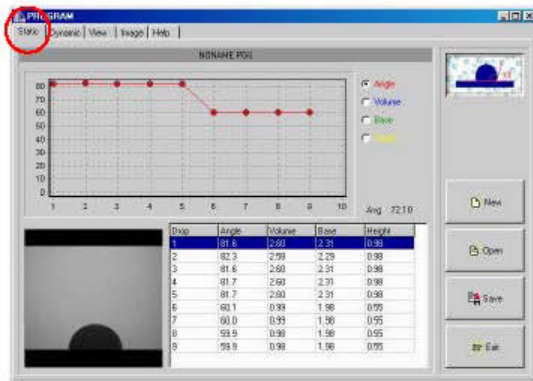
***Measures Surface Tension***  
determined from the shape of a pendant droplet

***Determines Surface Energy***  
using one or more probing liquids

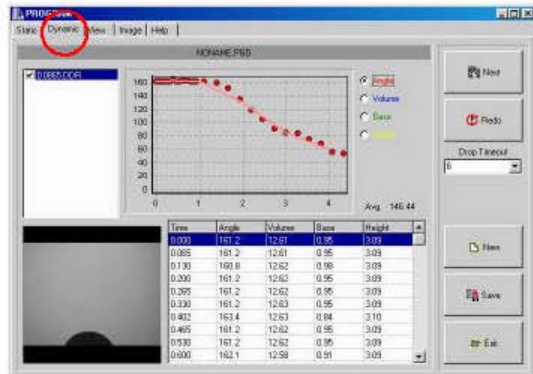
## SPECIFICATIONS

- Small size - 90 (L) x 55 (W) x 90 (H) mm
- Integrated camera - captures 80 images/sec (640x480 pixels)
- Built-in pump - delivers precise droplets in 0.5  $\mu$ l steps
- Automatic Droplet Application - Static and Dynamic Mode
- Runs on most PC & Laptops (USB)
- Easy to install – no hardware to fit inside computer!
- User-friendly software for Windows 2000/XP/Vista/7/8 32 & 64 bit
- Instrument software based on 32-bit and 64-bit operating systems
- Complies with test method TAPPI T458, ASTM D-724, ASTM D-5946

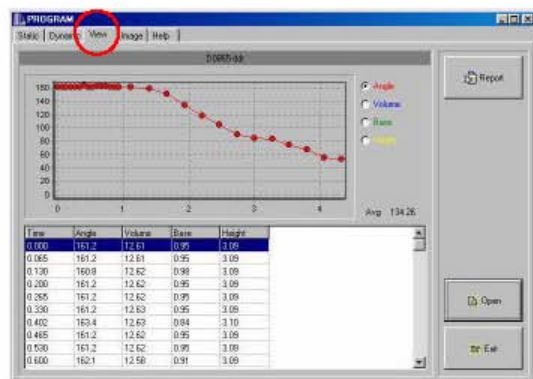
# POCKETGONIOMETER PGX+ MODEL 68-76



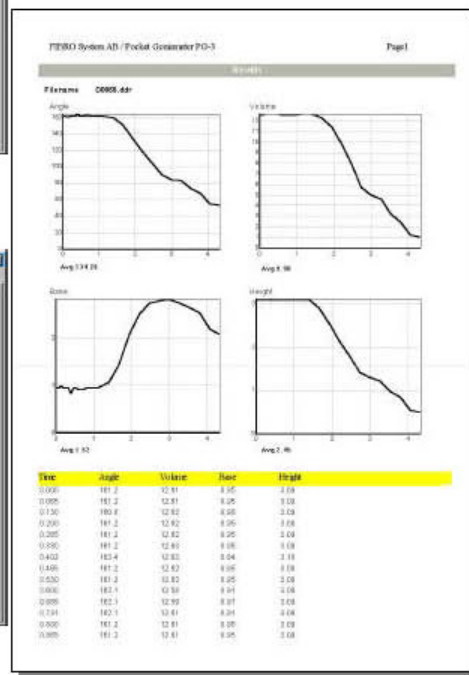
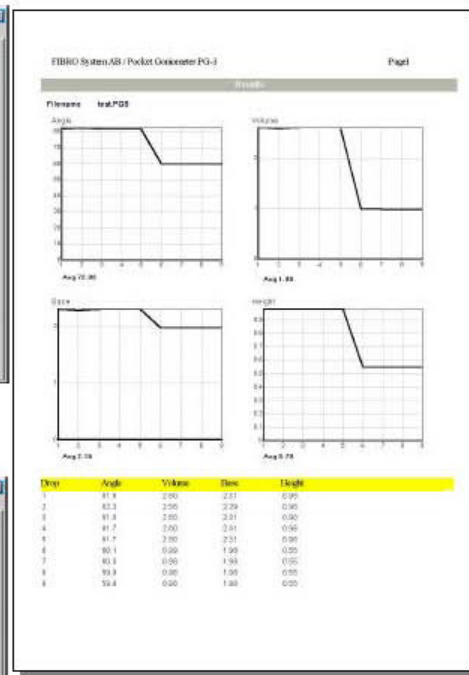
1. Static results from 5 + 4 droplets  
on two solid substrates



2. Dynamic results from a droplet  
on an absorbent substrate



3. Stored data can be retrieved by the  
Viewer or a spreadsheet



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