



PG-1 PocketGoniometer

The PG-1 PocketGoniometer is a simple-to-use manual instrument for the measurement of static contact angles and investigating the wetting behaviour of a liquid on a solid surface.

The size of the test droplet is both determined and applied manually to a test strip of material, which is inserted into the instrument on a sample carrier strip.

Illuminated from a battery light source with a life of 15,000 hours the image of the droplet on the substrate is magnified 6× and displayed on a built-in screen.

An extra eye piece (supplied as standard) provides 7× magnification of the test sample image for improved accuracy. A metal strip with two high-precision steel spheres is provided for initial set-up and subsequent calibration.

Measurement of the contact angle is achieved by rotating the integral protractor until the lines are parallel to the tangent at the contact point of the droplet with the test sample.

The PG-1 PocketGoniometer is compact, portable and its battery operation makes it suitable for use off-site in addition to the laboratory and factory.



Features

- Automatic calibration procedure
- Battery light source with 15,000 hours
- Manual control of droplet size and application
- Up to 7× magnification of sample
- Integral protractor

Physical specifications

Dimensions

55 × 160 × 40 mm (W × L × H)

Net weight

350 g

Options

Service and maintenance contract

Full range of consumables stocked in the UK



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