

Press release: dpiMAX released for the PCA 200, SVT 25, MBP 200, and ZPA 20

dpiMAX Device Software Now Available for Additional Product Lines

Filderstadt, 12 October 2026. DataPhysics Instruments has now made its dpiMAX measurement software available for the PCA 200 portable contact angle goniometer, the SVT 25 spinning drop tensiometer, the MBP 200 bubble pressure tensiometer, and the ZPA 20 zeta potential analyzer.

DataPhysics Instruments, a manufacturer of measuring devices based in Filderstadt, Germany, has further developed its dpiMAX software. The software has been available for the contact angle meters of the OCA series since 2022. Now, the company's development team has released the dpiMAX software for additional devices from the manufacturer. The software can be used to operate the PCA 200 portable contact angle goniometer, the SVT 25 spinning drop tensiometer, the MBP 200 bubble pressure tensiometer, and the ZPA 20 zeta potential analyzer. Daniel Scholz, Product Manager for dpiMAX at DataPhysics Instruments, explains: "When developing the software, we focused on creating a user-friendly workflow. It was particularly important to us to standardise the user interface across all measurement methods to simplify its use."

dpiMAX guides its users through the entire workflow

True to the dpiMAX motto – "Measure quickly, Analyse easily & Xplore intuitively" – the software guides its users step by step, from device settings, through measurement and analysis, to the creation of reports on the measurement results. Intuitive operation is always guaranteed for every user, regardless of their prior experience.

dpiMAX supports focused working by ensuring that only the information currently relevant is displayed on the clearly laid-out user interface. The software also allows predefined processes to be set up as simple one-click measurements, which is particularly convenient when many repeated measurements need to be carried out. dpiMAX is available in multiple languages and can therefore be operated easily by users all over the world.

Advanced analyses using the PCA 200 portable contact angle goniometer

The PCA 200 portable contact angle goniometer is a handheld device for on-the-go measurements of surface energy on solid surfaces. It enables quick and straightforward analysis, even on large surfaces, and directly on site. Therefore, the PCA 200 is an ideal tool in production and quality control.

The PCA 200 is equipped with an integrated on-board computer that displays and stores measurement results immediately. Via a browser-based user interface, users can configure device settings and export measurement results. dpiMAX for experts is available as an option for the PCA 200. It enables advanced analysis of the measurement results and also allows measurement results to be managed easily.

New, intuitive user interface: SVT 25 spinning drop tensiometer

The SVT 25 spinning drop tensiometer is used for optical measurements of low and ultra-low interfacial tensions and for the investigation of interfacial rheological properties. Two methods are available in the dpiMAX software: the measurement of interfacial tension and the measurement of oscillating, rotating droplets. The dpiMAX user interface guides the user intuitively through the measurement process.

The dpiMAX 50 module is used for measuring interfacial tension. It offers video-assisted measurement of static, time- and temperature-dependent interfacial tension based on the contour of rotating droplets, using various calculation methods, including the Young–Laplace method, the Vonnegut method, and the Cayias–Schechter–Wade method. The dpiMAX 51 module is used to measure oscillating, rotating droplets. It enables a relaxation analysis to investigate the viscoelastic properties of interfaces.

All measurement values at a glance: the ZPA 20 zeta potential analyzer

The ZPA 20 zeta potential analyzer uses a patented streaming potential analysis method to determine the zeta potential. When used with a ZPA 20, dpiMAX ensures intuitive operation and data analysis. During the experiment, real-time graphs of all measured parameters – such as the streaming potential and applied pressure, as well as conductivity, pH, and temperature – are displayed. Furthermore, the zeta potential is calculated and displayed directly.

For the ZPA 20, the dpiMAX software offers the option to analyse the streaming potential and the streaming current, in both unidirectional and bidirectional modes. It is also possible to automatically vary the pH value during measurement runs. Furthermore, the following measurement cells are pre-configured in the software: fibre, slit, and ceramic membrane cells, cells for hollow fibres and flexible tubing, as well as a special cell for non-destructive measurement of large samples.

Easy to use: the MBP 200 bubble pressure tensiometer

The MBP 200 bubble pressure tensiometer is used to determine the dynamic surface tension of liquids using the maximum bubble pressure method. The MBP 200 can be used to determine dynamic surface tensions in the range from 10 mN/m to 100 mN/m for surface ages between 5 milliseconds and 200 seconds.

The dpiMAX software can perform various measurement methods. These include determining the dynamic surface tension for a specified surface age, determining the dynamic surface tension for different surface ages, and determining concentration by measuring at a single surface age. When used in conjunction with an LDU 25 liquid dosing system, the concentration of the solution can be varied; this makes it possible to determine the dynamic surface tension for different surface ages at varying concentrations. In addition, the software can determine adsorption and diffusion coefficients.

Order dpiMAX software now

Customers who order a new measuring device from the OCA series, an MBP 200, an SVT 25, or a ZPA 20 will now be offered the dpiMAX software by default. For the PCA 200, the software is available as an optional add-on. Existing customers who already own devices from DataPhysics Instruments have the option of updating their software. To do so, they can contact their personal account manager by email or telephone.

Should this press release be published, we would be grateful if you could send us a copy.

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About DataPhysics Instruments GmbH

DataPhysics Instruments GmbH is a German company based in the Stuttgart region. It has been manufacturing measurement technology for the analysis of interfaces and surfaces for over 25 years. DataPhysics Instruments' devices can be used to determine key physical and chemical parameters, such as surface tension and surface energy, adhesion force, static and dynamic contact angles, zeta potential, and destabilisation mechanisms. In short, DataPhysics Instruments' devices are used wherever one liquid meets another liquid or solid. In addition to contact angle meters, the product portfolio includes tensiometers, spinning drop tensiometers, stability analyzers, zeta potential analyzers, and humidity generators. Furthermore, the company offers contract measurements in all areas mentioned.

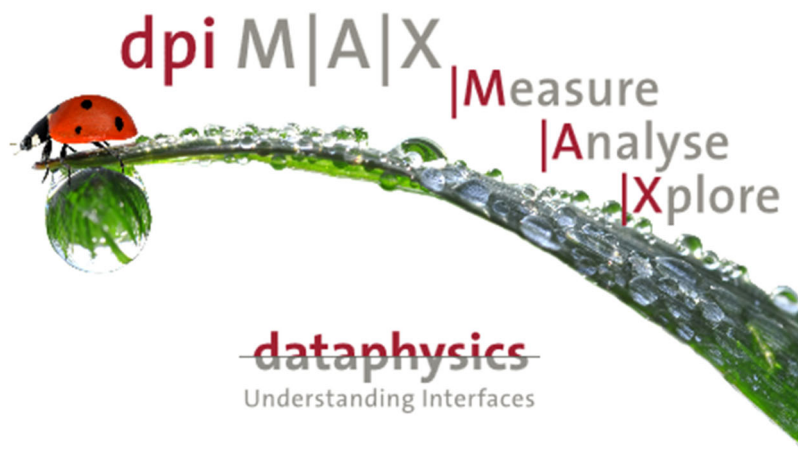


Figure 1:
The dpiMAX software is now
available for further
products from DataPhysics
Instruments.

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