

See System

See System E is a portable computer-based instrument for contact angle measurement and surface energy determination. It can be also used for ISO 27448:2009 determination of the self-cleaning performance of photocatalytic materials such as that containing titanium dioxide.

The instrument has been installed in more than 120 scientific laboratories worldwide as e.g. Central European Institute of Technology (CEITEC) or CEPLANT in Brno.

Due to easy and quick operation it is suitable also for teaching laboratories.

Main features

- Portable instrument of small size connected through USB 2.0 port.
- Rugged aluminium body.
- Colour 2Mpix (1600 x 1200) UVC camera with high-resolution glass objective lens.
- Table for samples up to 10 x 10 cm, movable horizontally in 2D.
- No special light source is needed, only a daylight, no problem with drop evaporation.
- Periodical image capturing for time-dependent studies (e.g. of wettable samples).
- TÜV declaration of conformity: English, Czech.

Supported surface-energy models

- The software enables the calculation of the surface energy on the basis of the most often used models: Owens-Wendt-Rable-Kaelble, Lifshitz-van der Waals/acid-base, Li-Neumann, Kwok-Neumann, Wu Equation of State, Zisman.
- Regression variants of Owens-Wendt & acid-base models are also supported.

Prices

The prices include the instrument and software for contact angle and surface energy measurement

See System E for Windows 10, 11 64bit
 2875,-
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Recommended accessories

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Micropipette (range 0.5 - 10 Âµl)
ask

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Micropipette tips (1000 pc)
ask
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Â Hardware key for extra software licence
200 â,-
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As the company is not a VAT payer, the prices are final, no VAT will be added. Â

The prices are subject to change without notice.

We provide price reduction for educational institutions, universities etc.

Software

- See System for Surface Energy Measurement - for contact angle measurement and caculation of surface free energy of solids on the basis of commonly used models as Owens-Wendt-Rable-Kaeble, Acid-Base, Zisman, Wu, Neumann, ...

See System for Surface Energy Measurement â€” the easiest way of surface energy calculation

