

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.

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. Software for self-cleaning performance is sold separately.

See System E for Windows 7, 8, 10 (32, 64bit)
 2375 €,
 €

Software for self-cleaning measurement (according to ISO 27448:2009)
 500 €,

Recommended accessories
 €

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Micropipette (range 0.5 - 10 Âµl)

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Micropipette tips (1000 pc)

20 â,-
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Carrying aluminium case

65 â,-
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Â Hardware key for extra software licence

170 â,-
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We provide price reductions for educational institutions, universities etc.

Software

Contact angle diagnostics can be used for various purposes. Two different software packages are available:

- See System for Surface Energy Measurement - for contact angle measurement and calculation 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 Self-Cleaning Measurement - for calculation of self-cleaning performance on the basis of contact angle measurement according to ISO 27448:2009 test method.

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

See System for Self-Cleaning Measurement â€“ ISO 27448:2009 test method of self-cleaning performance