

**ArabLab 2021 – Special Press Release**

## **DataPhysics Instruments will be part of the German Pavilion at the ArabLab 2021 in Dubai from 15<sup>th</sup> to 17<sup>th</sup> November**



*The headquarters of DataPhysics Instruments in Filderstadt, Germany.*

**Filderstadt, Germany, 10<sup>th</sup> November 2021. The team of DataPhysics Instruments GmbH is happy to announce that they will be at the ArabLab 2021 in Dubai from 15<sup>th</sup> to 17<sup>th</sup> November 2021. You will find us in hall 4, booth 214, as part of the German Pavilion.**

DataPhysics Instruments GmbH, a German company with over 20 years of experience, specialises in measurement technology for surface science. We offer a wide range of devices which help analysing chemical and physical properties of surfaces and interfaces, including surface and interfacial tension, contact angle, surface energy, surface topography, and zeta potential as well as dispersion stability. Nils Langer, CEO of DataPhysics Instruments, will be present at the fair. He says: “After the pandemic, the ArabLab will be our first fair appearance since 2019, which makes this date very special for me. The ArabLab is one of the most important trade fairs for laboratory equipment and we are looking forward to be a part of it.”

The portfolio of DataPhysics Instruments GmbH encompasses a variety of measurement devices. Extensions to our products additionally allow controlling environmental conditions, such as temperature, humidity, and pressure.

- Dynamic Contact Angle Tensiometers (DCAT series) are measuring devices for determining dynamic contact angles as well as surface and interface tension using standard probe bodies, such as the Du Noüy ring or the Wilhelmy plate.
- Spinning Drop Tensiometers (SVT series) are optical instruments for measuring very low interfacial tensions and rheological properties. They offer possibilities for the analysis of surfactant efficiency, for example in the enhanced oil recovery.
- Optical Contact Angle Meters (OCA series) are measuring devices which can determine contact angles of sessile drops down to picolitre-range. Using pendant drops, surface and interfacial tensions can be measured.
- The MultiScan dispersion stability analysis system (MS) can conduct stability and aging analyses of dispersions, in particular suspensions and emulsions.
- Our service portfolio includes contract measurements in our Application Centre for customers which do not have their own testing facilities.

**You will find us at the ArabLab 2021 in hall 4, booth 214. We are looking forward to meeting you!**

To book a meeting at the fair, please contact Nils Langer at [info@dataphysics-instruments.com](mailto:info@dataphysics-instruments.com).

For more information, visit our website: [www.dataphysics-instruments.com](http://www.dataphysics-instruments.com)

## What can be measured with our devices?

- surface tension and interfacial tension as well as critical micelle concentration (CMC) of liquids using
  - optical contour analysis (pendant drop method), and
  - tensiometric methods (Du Noüy ring method, Wilhelmy plate method)
- static and dynamic contact angles
- surface free energy of solids
- wettability, absorption and spreading
- dispersion stability
- zeta potential
- adhesive forces and surface pressure

## What materials can be analysed?

- crude oil & oil refinery products
- paper and textiles
- paints and varnishes
- coatings and adhesives
- packaging materials
- electronics
- ceramics and glass
- metals
- medical implants
- pharmaceuticals and cosmetics
- foodstuffs and beverages
- polymers
- surfactants

## What are the target industries and research fields?

- chemistry
- textile production
- medical engineering
- oil recovery
- bonding and sealing technology
- pharmaceutical industry
- cosmetics industry
- automotive industry

## Contact

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## About DataPhysics Instruments GmbH

DataPhysics Instruments GmbH, a German company with over 20 years of experience, specialises in measurement technology for surface science. We offer a range of devices, which can analyse chemical and physical properties of surfaces and interfaces, such as their interfacial tension, contact angles, surface energy, and dispersion stability.

Our devices offer valuable insights to engineers, quality control experts and researchers in fields as varied as chemistry, oil extraction and processing, medical engineering, as well as textile and electronic production. Our technology can be used to examine materials such as petroleum, paints, dyes, varnishes, inks, coatings, and adhesives. In short, our products help determining material properties whenever a liquid meets another liquid or a solid surface.

Our portfolio encompasses contact angle meters, spinning drop and force tensiometers as well as dispersion stability analysis systems. Services also include high-quality contract measurements.