

## A.KRÜSS OPTRONIC – CUTTING-EDGE TECHNOLOGY, MADE IN GERMANY

A.KRÜSS Optronic is a leading manufacturer of high-precision optoelectronic measuring devices and analytical instruments. The family enterprise founded in 1796 offers an extensive range of products and customised solutions for quality assurance in the pharmaceutical, chemical, petrochemical, food and beverage industries as well as for research and science.

Whether it is a refractometer, polarimeter, density meter, gas analyser, flame photometer, melting point meter or microscope – our instruments meet the highest requirements in terms of speed, accuracy and reliability. Thanks to our strong R&D capacities, we are a driving force in the technology market setting the standards for functional scope and user-friendliness. A dense network of sales partners and certified service partners allows us to provide individual consultation as well as optimised service and support for our customers around the globe.



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MEASURING QUALITY. SINCE 1796



## PRODUCT OVERVIEW

HIGH-PRECISION MEASUREMENT AND ANALYSIS INSTRUMENTS  
FOR THE LABORATORY AND INDUSTRY



[www.kruess.com](http://www.kruess.com)

Version 2.0 | Status: May 2018 | Subject to changes without prior notice.

## PRODUCT OVERVIEW



P8000 series with autosampler AS90

### ■ POLARIMETERS

Reliable analysis of optically active substances

Our polarimeters offer maximum measurement levels for challenging applications in research, development, production and training. Our devices combine excellent measurement accuracy with convenient handling. Its innovative software offers modern interface options, an integrated user management, full network capability, a touch screen display with intuitive user guidance and sophisticated solutions for database connections.



DR6000 series and other models

### ■ REFRACTOMETERS

State-of-the-art determination of the refractive index

Our lab refractometers ensure highly accurate measurements of the refractive index and %Brix. They are designed to meet the requirements of a modern and digital laboratory; they are user-friendly and easy to clean. Together with our process refractometers, Abbe refractometer as well as digital and manual handheld refractometers, we offer the right solution for any application.



FP8000 series

### ■ FLAME PHOTOMETERS

Precise determination of the concentration of alkali and alkaline earth elements

Our flame photometers combine the most advanced device electronics with modern process control. With over 300 highly precise measurements per hour, our devices achieve fast, accurate and reliably reproducible results. Their outstanding performance ensures reliable safety mechanisms as well as an intelligent user management with a transparent traceability of the data acquisition.



DS7000 series with autosampler AS90

### ■ DENSITY METERS

Density measurement based on the oscillating U-tube principle

Our digital density meters allow for an easy, fast and precise measurement of all fluid media. Due to the chemical-resistant wetted parts made of borosilicate glass and PTFE, you can also measure aggressive samples such as acids, bases or organic solvents. In addition, our devices are characterised by their low space requirements, an intelligent user interface and the conformity with many standards.



MAT1000 series

### ■ GAS ANALYSERS

Quality in the testing of protective gas atmospheres

Our robust gas analysers meet the highest requirements for the analysis of protective gas atmospheres for the food and packaging industry. The complex sensor technology ensures reproducible best results. The determination of stable values takes place within a very short time using sophisticated technology and a minimal sample volume. The self-explanatory, user-friendly operating menu enables a simple, menu-guided application.



M3000 / M5000

### ■ MELTING POINT METERS

Exact analysis of powdery substances

Semi-automatic or fully automatic melting point meters from A.KRÜSS perform measurements over a wide temperature range. The digital temperature control ensures highly accurate heating rates and a rapid heat-up function ensures that the set start temperature is quickly achieved. High-quality observation optics in our M3000 allows for semi-automatic measurements; the transmission optics in the M5000 even fully automatic measurements.



### ■ PROFESSIONAL SERVICES

Our service is unbeatable

We will always go the extra mile for our customer. We want to exceed your expectations and make you a satisfied customer. Providing the best service is important to us and this right from the beginning. We offer you application consultations at your location. Our consultation for the setup and commissioning of the device is comprehensive. Would you like to test one of our devices in your company? No problem. We at A.KRÜSS focus on quality and successful cooperative relationships.



MBL2000 series

### ■ MICROSCOPES

Highest standards in optics and precision mechanics

We build instruments that meet the high requirements on image quality, reliability and precision. Each microscope can be upgraded and converted making it a product tailored to the customer requirements. Whether high-end device, entry-level model or robust all-rounder – A.KRÜSS microscopes are known for their excellent price-performance ratio and their proven durability.