

# Product Overview

## Laboratory Instruments

2024  
2025



Our VariFamily now available in aluminum housing

# Polarimeter for laboratory and industry

concentration measurement of sugar in food and beverages | characterisation of essential oils | quality control and pharmaceuticals | ...

Precision combined with modern design, robust materials and unrivalled durability are the hallmarks of our laboratory polarimeters. Our technology is smart and connected. You can access, store and retrieve laboratory data from anywhere. SCHMIDT + HAENSCH offers a variety of polarimeter models based on decades of experience.

The modular concept allows each customer to put together a customised polarimeter including accessories. Our benchtop polarimeters are an essential part of the laboratory equipment to reliably measure the ratio, purity and concentration of optically active substances and enantiomeric mixtures while complying with 21 CFR Part 11.



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# highest precision measurement Refractometer

BRIX measurement in food and beverage industry | characterisation of polymers | quantitative analysis of peptides | quality control in pharmaceutical industry | ...

SCHMIDT + HAENSCH benchtop refractometers are used in laboratories around the world to facilitate substance identification. Whether it is robust materials and unrivalled longevity for sugar laboratories or the highest precision coupled with 21 CFR Part 11 compliance for the pharmaceutical industry, our refractometers can do it all.

By measuring at different wavelengths and with customised scales, SCHMIDT + HAENSCH refractometers provide precise concentration measurements and material identification of liquids and solids - reliably and with full traceability. Access your laboratory data from anywhere and connect your instrument to your laboratory network - our instruments are ready for the latest standards (such as OPC UA).



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# Density Meter for density and concentration measurement

alcohol concentration measurement | cosmetic industry | petroleum and chemical industry | quality control in pharmaceutical industry | ...

Our practical VariDens with its sleek SCHMIDT + HAENSCH design offers precise and reliable measurements. Using the proven oscillating U-tube principle, the VariDens provides density and concentration measurements of pharmaceutical, chemical and petrochemical products. The VariDens is a rugged, sealed, stand-alone system with the flexibility to meet any measurement requirement, even in the harshest environments. Density determination of liquids and concentration measurements are made easy with the modular display, which can be adapted and combined with the others. Our density meter takes the proven SCHMIDT + HAENSCH knowledge to a new level, combining it with innovation and all the advanced features of the VariFamily.



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# Colour Measuring

## color determination of crystallized sugar and liquids

Color is a decisive criterion when evaluating product quality. SCHMIDT + HAENSCH develops and manufactures instruments for the spectrophotometric and colorimetric determination of liquids and visual color appearance of crystallized sugar. Relevant in the food and beverage sector, sugar production and chemical industry, our Spectrophotometers will redefine your quality control. With our devices, you will reliably maintain the highest possible product quality and comply with international norms and standards, such as the ICUMSA and more.



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# Sample Preparation

## filtration of dark sugar samples | repeatable sample preparation | apparent density measurement | ...

Optimize your performance with SCHMIDT + HAENSCH's lab automation technology. Growing demands for higher productivity also require more sophisticated means for quality control. In order to ease your daily laboratory measurements, SCHMIDT + HAENSCH offers customized modular laboratory systems with different degree of automation. In addition to saving time and resources, automatic filtration systems, sample preparation and dosage control increase the reproducibility of your measurements.



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# Services



Our reliable service offers annual packages for full maintenance and support or individual services like calibration and instrument set-ups. Our independent division, SCHMIDT + HAENSCH Lab, provides precision measurements, method customization, and certification services.



## Lab Services

### Independent and Reliable

We deliver reference measurements, verify measuring results and customize your instrument at our independent SCHMIDT + HAENSCH LAB.



## Certification Services

### Pharmaceutical Instrument Certification

We offer pharmaceutical instrument certification assistance as part of our independent LAB division, with certified reference materials.



## Product Support

### Excellence. Precision. Reliability.

We provide full service packages from first day setup through maintenance and instrument qualification (IQ, OQ or IPV and GLP/GMP) to reach longest lifetime of your instrument.

# In-line Process Instruments

With SCHMIDT + HAENSCH process sensors and refractometers, you keep an eye on your process: Realtime measurements as reliable as your Lab measurements. Reliable and independent of turbidity, color, absorption and viscosity – For ensuring better control of your processes take a look at our process instruments brochure.



Take a look at our process refractometers brochure

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# 160

years

## Company History

SCHMIDT + HAENSCH has developed from a rich history of engineering and scientific research. The family-run company was founded by Franz Schmidt and Herrmann Haensch in 1864 and has been part of innovative German technology from the beginning.



Herrmann Haensch



Franz Schmidt

Today, our long-standing experience is the foundation of a company culture of reliability, excellence and precision.

Visit our website to find out more about our company and product portfolio:



[www.schmidt-haensch.com](http://www.schmidt-haensch.com)

