



Because Analytics is our Strength

ELECTROCHEMISTRY | TITRATION | VISCOMETRY

SI Analytics

a **xylem** brand

Meters

Electrodes and meters: Complete solutions

Our laboratory meters **Lab** and **ProLab** as well as our handheld meters **Handylab** combined with our electrodes and the unique buffer solutions in ampoules deliver reliable results. They enable and secure the daily routine measurements of pH, ORP, ISE, conductivity and oxygen, from processing the measurement until documentation.

Meter Lab 745



Meter ProLab 5000

Laboratory Electrodes

Our electrodes - as diverse as your applications

The right sensor for every application

No pH measurement is comparable with another. The demands for pH measurements can therefore only be fulfilled by a perfectly harmonising system of electrodes, meters and buffer solutions targeted towards the application, such as delivered by us.

A critical element within this system is the pH electrode being in direct contact with the sample and delivering the measuring signal. We have been involved in the development and production of glass electrodes **for more than 80 years** - a knowhow that you as a customer can benefit from. Ultrapure water, marmelade, wine, cremes or drinking water - we offer the matching electrode for any possible application.



▲ The compact BlueLine is a basic series comprising electrodes for common laboratory applications.

▲ The ScienceLine electrodes offer you not only highest measuring accuracy with ideal endurance of sensors but also a maximized adaptability for your measuring duty. An electrode series with utmost versatility and high quality standard.

▲ TopLine electrodes combine reliable measuring results with a maximum dwell time. They were developed for a wide range of applications in the lab, field and processing of wastewater via emulsions, solutions with proteins, suspensions all the way to purely aqueous samples.

Titration

Dosing, titrating and water analysis according to Karl Fischer can be so easy

The new Titrators of the TitroLine® series

Based on our know-how, we have developed a range of new reliable laboratory instruments for dosing, titrating and Karl Fischer water analysis: The burettes **TITRONIC® 300 and 500** and the titrators **TitroLine® 5000, 6000, 7000, 7500 KF, 7500 KF trace** and the universal titrators **TitroLine® 7750 and 7800**. These instruments combine easy handling with maximum accuracy, and the robustness required for the daily operation in the laboratory.

- For the completely successful laboratory operation we also offer a wide range of accessories perfectly supporting the titrators with all their functions, such as the sample changers TW alpha plus and TW 7400, the burette TITRONIC® 500.

▲ The new Titrator TitroLine® 7800 gives even more options

The **TitroLine® 7800** is as well as the **TitroLine® 7750** the all-rounder for both potentiometric titration and volumetric KF titration. The TitroLine® 7800 combines the features of the potentiometric titrator TitroLine® 7000 and the volumetric Karl Fischer titrator TitroLine® 7500 KF. Compared with the **TitroLine® 7750** the **TitroLine® 7800** offers the opportunity to also connect digital IDS® sensors. This makes him the universal titrator for many applications.



All-rounder: TitroLine® 7800

OptiLine 6

The OptiLine 6 is a new photometric sensor that can be used like any other sensor. Thanks to the USB- and the additional analog BNC / DIN connection, it can be connected to any titrator or even a pH meter with an appropriate measuring input. OptiLine 6 has a wide range of measurement due to six wave lengths: 470, 520, 570, 590, 605 und 625 nm.



OptiLine 6



Sample changer TW alpha plus

Precise capillary viscometry - Innovation from the outset

The **ViscoSystem® AVS® 370** (PC controlled) and the **ViscoSystem® AVS® 470** (as stand alone solution) offer the extraordinary combination of both „pressure“ or „suction“ in operation. This gives you more flexibility and better adjustment to the liquids to be examined. It enables the operation of a Visco Pump II module for optical detection of transparent samples or the TC version for opaque and black fluids.



ViscoClock plus

Measuring perfection

The ViscoClock *plus* is an electronic timing unit for glass capillary viscometers used to determine kinematic and relative viscosity. Succeeding the well-proven ViscoClock, the new instrument features data storage and simpler handling. The ViscoClock *plus* is especially designed for Ubbelohde type viscometers which are well-known for highest precision.

Improved measuring viscosity automatically

The sampling machine AVS Pro III is a fully automatic viscometry measuring station. Even with the high throughput of samples, this station convinces with excellent accuracy and reproducibility - whether operating during the day or unattended during night.



AVS® Pro III

Process electrodes, armatures and accessories

The reliable measuring of pH, ORP, conductivity and D.O. values up to temperature within the process requires individual solutions. Our extensive range of process electrodes includes all applications for measurements in aqueous solutions in the temperature range from -30 °C to 140 °C at a pressure up to 12 bar. Furthermore, many of our electrodes are registered according to the ATEX guidelines 94/9/EG. The retractable holders and their control system enable flexible measurements with an ideal positioning of the electrode in the medium.



SteamLine Electrode



CHEMtrac 810

Hotplates and Stirrers

The laboratory hotplates from SI Analytics have the benefits of the glass-ceramic heating surface which has proven by millions in households. Chemical resistance, a high-grade surface quality and a resistance to temperature shock of more than 700 °C provide the user maximum benefits compared to conventional hot plate materials. The always plane and pore-free surface enables even most stubborn dirt to be removed.



Stirrer SLR

Xylem | 'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xylem.com

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