



Be Right™

Your Trusted Partner For **Drinking Water Analysis**

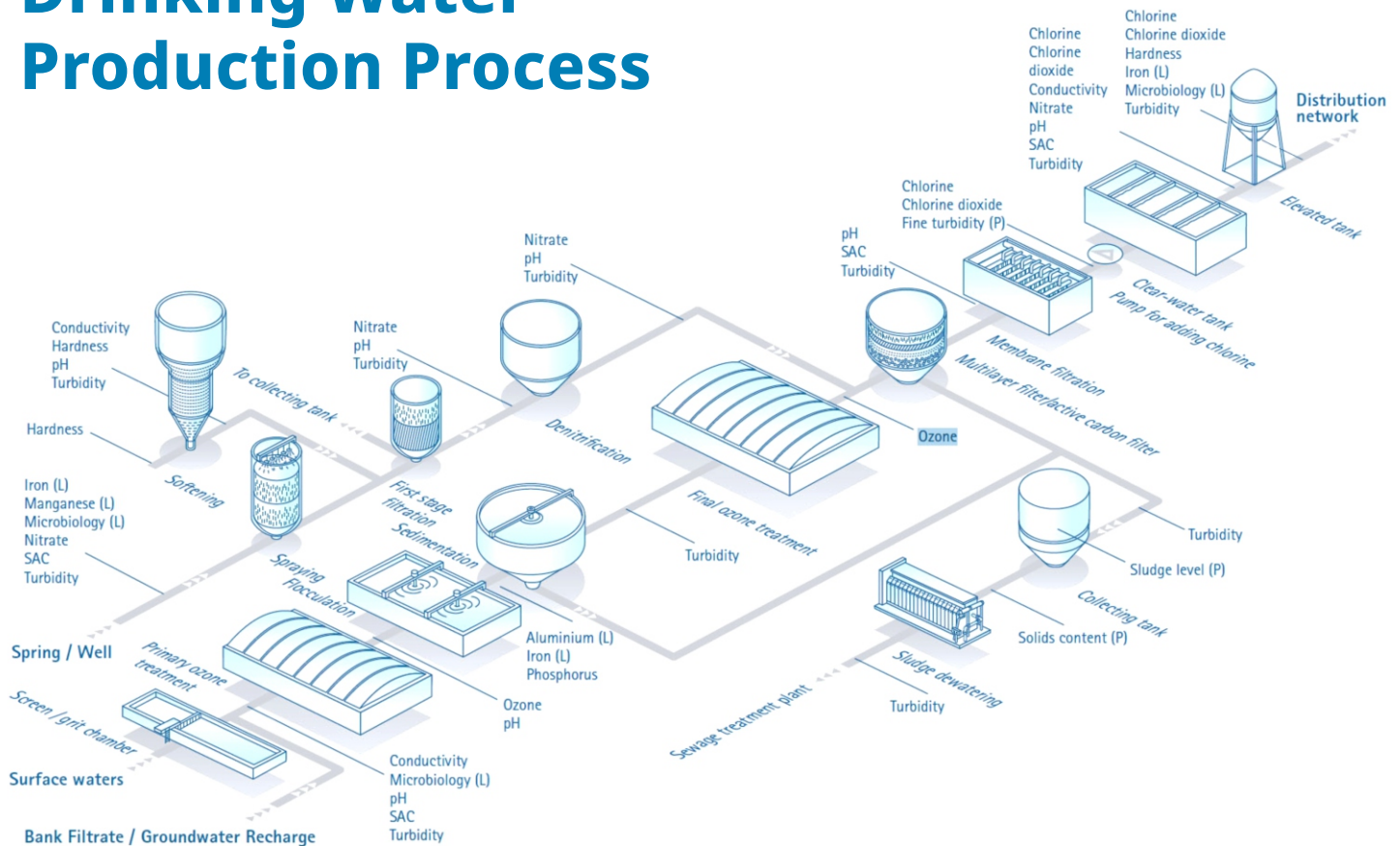
- Lab Solutions
- Online Solutions
- Portable Solutions
- Service Solutions



*Empowering water professionals to meet the
highest standards in drinking water.*



Drinking Water Production Process



Raw Water

- Alkalinity
- Fluoride
- Hardness
- Iron
- Nitrate
- Organics
- pH
- Suspended Solids
- TOC
- Turbidity
- Free Chlorine

Flocculation/Coagulation

- pH
- Aluminium
- Turbidity
- Suspended Solids
- Alkalinity

Filter Bed

- Turbidity
- Alkalinity

Treated Water

- pH
- Chlorine
- Turbidity
- TOC
- Total Hardness/Alkalinity
- Aluminium
- Fluoride
- Iron

The Water Analysis Experts for Drinking Water and Treatment

With over 90 years of expertise in water quality analysis, Hach® offers a knowledgeable and responsive support team you can trust to meet your unique needs across the entire drinking water process.

Hach provides solutions for laboratory, online, and portable applications, whether your needs are routine or complex.

We also offer service and training solutions that support both you and our products.

Hach offers the most comprehensive coverage for all types of water quality—from source water to ultrapure. Our broad range of solutions supports all drinking water distribution and treatment plants.

- Raw Water
- Pre-Treatment
- Filtration
- Disinfection

Featured water analysis solutions

SC4500 Controller

The multi-channel controller operates with either 1 or 2 sensors, reducing inventory holding costs and providing maximum versatility.

- Password protected USB reader offers simple solution for data download and transfer
- One controller gives you numerous communication options
- Technologies are advancing rapidly, providing new levels of convenience, accuracy and efficiency



SC1000 Controller

- Color touch-screen display
- Accepts 2-8 sensors or up to 2 Analyzers combination
- Additional relays and analog inputs and outputs can be added by networking a second probe module or optional DIN-rail communication modules
- Advanced and flexible communication options features additional
- The Hach SC1000 Display Module is available with GSM/GPRS, Ethernet, and TCP/IP capability



CL17sc Colorimetric Chlorine Analyzer

Free or Total Chlorine Confidence. From the Global Leader in Chlorine Analysis.

Reliability: Uses DPD Colorimetric method which is similar to laboratory method and has no interferences such as pH etc.

Measuring range: 0 to 10 mg/L Cl₂

Maintenance Made Easy: Reduces your routine maintenance touch time with simplified tubing replacement and step-by-step, onscreen workflows. **Pre-calibrated sensor – No calibration for the lifetime of the sensor**

Flow Sensor : A built-in flow meter to notify you when there's an unexpected change in flow that could compromise your measurements. The CL17sc is compliant with US EPA regulation 40 CFR 141.74. Both method 4500-CL G and method 334.0 can be used for measuring residual chlorine in drinking water.



CLF10 sc • CLT10 sc

Hach's CLF10 sc and CLT10 sc provide online amperometric solutions for real-time analysis of Free or Total chlorine in disinfection applications.

- The CLF10 sc Free Chlorine Analyzer and CLT10 sc Total Chlorine Analyzer are based on amperometric technology and is fully compatible with all Hach digital controllers.
- The CLF10 sc can be used in most municipal and industrial applications and is best utilized where waste stream management is a constraint.
- EPA-approved Free or Total Chlorine Analysis
- No Reagents to Replace, No Waste Stream
- Chlorine Analysis Made Easy



Encapsulated pH/ORP Differential sensors

- LCP (Liquid Crystal Polymer)
- Convertible Mounting Style
- 3 Meter Analog Cable
- 5-Wire with Built-In Preamplifier
- General Purpose Glass pH Electrode
- Gel Filled Standard



EZ5000 Series Hardness/Alkalinity Analyzer

- Complies to APHA/Standard methods for Water and Wastewater
- Measures up to four parameters in one analyzer: Total Hardness, calcium hardness, total alkalinity, and free alkalinity
- Standard measuring range Alkalinity: 100 - 5000 mg/L CaCO_3 , Hardness: 25 - 1000 mg/L CaCO_3



EZ1000 Series Manganese Analyser

The EZ Series Online Analysers offer multiple options to monitor Manganese in water. Typical applications are wastewater, drinking water, steam & power generation, and surface water.

- Calibration to 10%, 25% or 50% of standard range
- Internal dilution
- Multiple stream analysis (1-8 streams) reducing cost per sampling point
- Analogue and/or digital outputs for communication



Solitax Turbidity/TSS

Designed for the accurate determination of turbidity and suspended solids

- Suitable for Source water, Filter beds
- Using the infrared duo scattered light method
- Solitax sc sensors can be connected to all SC controllers
- Self-cleaning wiper
- Made of highly polished stainless steel or titanium
- Two channel 90° scattered light turbidity method
- Accordance with DIN EN ISO 7027.
- Integrated bubble and temperature compensating software



Langelier Saturation Index (LSI)

The Langelier Saturation Index provides an estimate of the tendency of water to dissolve or deposit/precipitate a protective coating of calcium carbonate, (CaCO_3) on a pipe wall. Dissolution of calcium carbonate leads to corrosion and deposition of calcium carbonate leads to scaling. Hach offers a solution to monitor LSI by measuring Total Hardness, Alkalinity, pH, TDS and temperature.



Featured water analysis solutions

Laboratory Analysis Products

DR6000 UV-Vis Spectrophotometer

- Trusted UV-Vis spectrophotometer, worldwide for water quality testing
- More than 250 built-in water quality test methods
- Time-saving automatic method detection and superior accuracy
- High-speed wavelength scanning across the UV and visible spectrum
- Wavelength accuracy: ± 1 nm
- Wavelength range 190 - 1100 nm



DR3900 Laboratory Spectrophotometer

- Over 240 built-in water quality test methods
- Reading mode: transmittance (%), absorbance and concentration
- Wavelength accuracy: ± 1.5 nm
- Wavelength range: 320 - 1100 nm



DR1900 Portable Spectrophotometer

- Combines ruggedness and portability of field instrument with over 220 of most commonly tested water methods
- Ensure accuracy in the field with wavelength range of 340-800 nm.
- Water protection is IP67 (waterproof)
- Wavelength resolution: 1 nm



DR300 Pocket Colorimeter

- Single Parameter go-anywhere portable photometer Easy to install,
- Battery operation for a maximum of 5000 tests
- Waterproof instrument IP67
- Larger, better display



DR900 Multiparameter Portable Colorimeter

- Most rugged colorimeter in the industry
- Waterproof, dustproof and field durable
- Ability to test up to 90 methods
- Intuitive user interface
- USB data transfer is available
- Four in-built filters: 420 nm, 520 nm, 560 nm, 610 nm



SL1000 Portable Parallel Analyzer (PPA)

- No handling of harmful reagents/chemical
- Simple to use Chemkeys® makes water quality testing effortless and faster
- Measure 6 parameters at one go – 4 Colorimetric and 2 Electrochemistry



SL250 Single-Port Portable Parallel Analyzer (PPA)

- No handling of harmful reagents/chemicals
- Simple to use Chemkeys® makes water quality testing effortless and faster
- Measure 3 parameters at one go – 1 Colorimetric and 2-Electrochemistry



TitraLab AT1000 & KF1000Series

- The TitraLab AT1000 from Hach uses pre-set functions that eliminate complex programming and provide accurate results.
- Eliminates operator interpretation and manual processes with automatic titration to quickly deliver accurate and repeatable results
- Pre-programmed titration methods detect end points and eliminate manual calculations to make results easier to achieve without advanced programming
- Add the Titration Application Pack Food & Beverage to measure pH & Total Acidity (Milk, Tomato Sauce, Fruit Juice). Suited for Titralab AT1000 Series, and Automatic Titrator Models AT1102/AT1112/AT1122/AT1222.



Titralab AS1000 Series Sample Changer

Perfect laboratory assistant for automating analyses

- Run sample analyses in total autonomy, without user intervention
- Single-radius sample trays for 12 samples
- Complete automation to free up your time



HQD Benchtop Multi-Parameter Meter

- Flexible benchtop meter makes lab testing of critical water quality parameters more efficient
- One or two input channels for simultaneous measurement of pH, conductivity, dissolved oxygen, BOD, ORP, ammonia, ammonium, fluoride, chloride, sodium, and temperature
- Enhance productivity with an ultra-bright screen and large font size to read results easily
- Internal USB ports simplify data transfer, peripherals



HQ Series Portable Meters

Now offering a complete water analysis portfolio of testing parameters with standard, rugged, and ultra options. The HQ Series gives maximum measurement flexibility and ease of operation with interchangeable probes and automatic parameter recognition.



Process Sensors

NT3100sc UV Nitrate Sensors

- Improved accuracy and a lower limit of detection at 0.02 mg/L* to optimize your plant's performance. Be prepared with lower discharge limits to support regulatory compliance now and in the future. (*Based on NT3100sc 5mm model)
- Our enhanced technology allows for extended service life of parts and reduces maintenance with simplified, tool-free, wiper replacement.



Combination pH • ORP sensor

- Double-junction design for extended service life, and a built-in solution ground.
- Body is molded from chemically-resistant Ryton® or PVDF, and the reference junction is coaxial porous PTFE
- All sensors are rated 0 to 105°C up to 100 psig,



Explore our range of sensors available with the HQ Series!



Australia



New Zealand



QP1680 TOC/TN Analysers

- High Temperature Combustion TOC method
- Direct sample injection minimizes the risk of sample carry-over.
- Large diameter sample aspiration tubing can handle particles up to 800 µm, expanding possible applications and reducing clogging.
- Integrated stirrer for each sample position homogenizes particle-containing samples before injection.
- Small footprint with integrated 65-position auto-sampler requires less space in the laboratory (an auto-sampler with 96 positions is also available as an alternative).
- Simple operation, data analysis and system diagnosis thanks to an intuitive software package.
- The ease of use in drinking water applications and the maintenance concept makes the QP1680 unique on the market.



QBD1200+ Lab TOC Analyzers

QBD1200 Laboratory TOC Analyser is based on UV Persulfate Oxidation method is best suited for clean water samples such as Drinking water, Boiler Feedwater, Process water etc.

- Range: 0 to 100 ppm TOC
- Single reagent offers ease of handling
- Quality By Design - Easy to maintain even in case of exposure to higher organic compound samples
- Less sample-to-sample cross contamination



TL23 Series Laboratory Turbidimeters

- Ranges from 0 to 4000 NTU and up to 10000 NTU
- The TL23 Series large full color touch screen display and intuitive user interface accelerate setup, calibration and measurement
- The TL23 Series ensures stable readings and accurate analysis by capturing turbidity readings once the device detects sample stability
- With a USB port for easy data export, sample identification for traceability, and self-diagnostics for quality assurance



TU5200 TU5200 Laboratory Laser Turbidimeter

- The platform employs a patented optical design that sees more of your sample than any other turbidimeter, delivering the best low-level precision and sensitivity while minimizing variability from test to test.
- For low level turbidity sample measurements such as treated water
- Groundbreaking 360° x 90° Detection Technology
- Matching lab and online results



TU5300sc Online Laser Turbidimeters

TU5 series employs a unique 360° x 90° optical design delivering the best low-level precision and sensitivity while minimising variability between measurements

- Suitable for low level Turbidity measurements ex: treated water
- Fast and accurate response to changes in turbidity
- Comes with a variety of options to make maintaining your instrument even easier



2100Q Portable Turbidimeter

- Easy on-screen assisted calibration and verification
- Accurate for rapidly setting samples
- Convenient data logging
- Optical system for precision in the field
- Resolution: 0.01 NTU (FNU) on lowest range
- Measurement range: 0 - 1000 NTU



Portable TSS Meter

- Suspended Solids: 0.001 to 400 g/L (1 to 400,000 mg/L)
- Three Parameters in One Instrument
- Multiple Calibration Curves for Convenience
- Easy Sludge Blanket Levels
- Air Bubble Compensation for Accuracy



Service

Hach Service Programs have been developed to help solve your maintenance and support problems. Whether it's a lack of resources or skills, an instrument that is down, compliance concerns or the need for a predictable budget, we have programs to fit the unique challenges you face in your organization.



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