



FLEISCHHACKER

SMART WATER ANALYSIS – DR4900 LABORATORY SPECTRALPHOTOMETER



WATER ANALYSIS 4.0 – STAY UP TO DATE

In the laboratory, every detail counts. Even the slightest variations in temperature, turbidity or the handling of the cuvette can affect the measurement result. The DR4900 detects potential errors whilst the analysis is still in progress and helps you to achieve reproducible results.

10-Point Measurement

Multiple individual measurements provide additional reliability: the impact of scratches, fingerprints or dirt on the cuvette is minimised, potential measurement errors are detected and reliable results are ensured.

Temperature Warning & Temperature Compensation

Das DR4900 überwacht kontinuierlich die Temperatur der Probe und warnt bei kritischen Abweichungen. Temperaturbedingte Einflüsse werden automatisch kompensiert – für zuverlässige Messergebnisse, weniger Wiederholungsmessungen und eine höhere Betriebseffizienz.

Turbidity Warning

Even the slightest turbidity, invisible to the naked eye, is detected before it can skew the measurement results. The user is notified in good time and can respond accordingly – ensuring reliable measurement results and greater measurement accuracy.

Interference Testing

The system detects potential interfering substances and provides early warning of possible effects on the analysis result.

Intuitive Operation

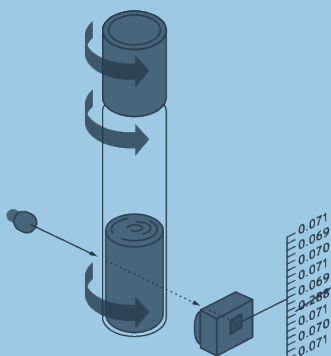
The large, bright 10-inch touchscreen and the modern user interface ensure simple and clear operation. Measurement readings are clearly visible, and data logs can be easily browsed – for efficient working and reduced training requirements.

Over 220 Methods

Thanks to the extensive library of methods, numerous water analysis parameters can be determined quickly and reliably.

Camera-Assisted Smart Workflows

The optional camera automatically recognises QR codes and labels. This allows samples to be uniquely identified, batch-specific information to be accessed directly on the device, and data entry errors to be reduced.



This is how the measurement works:

- The device rotates the cuvette and records 10 individual readings.
- Up to 2 outliers are automatically excluded from the analysis.
- The measured value is calculated as the average of the remaining individual readings and displayed.



GIVE US A CALL!

We'll advise you personally and work with you to find the best solution.

Your contact person:

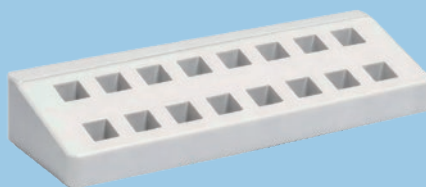
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Everything You Need for Water Analysis—Perfectly Coordinated

With our **product set**, you not only receive the DR4900 laboratory spectrophotometer, but also the appropriate accessories, such as a microliter pipette with pipette tips, a cuvette holder, and laboratory gloves for efficient daily lab work. All components are optimally coordinated and enable a quick start in water analysis.



Product Set

Item Number

DR4900

7821919

DR4900 Camera

7821915

With automatic
test detection



Without automatic
test detection



For more information and the exact prices of the product sets, just scan the QR codes!

Comprehensive Test Parameters for Your Water Analysis

With over 220 preprogrammed methods, the DR4900 enables the reliable determination of numerous water analysis parameters. When used in combination with Hach LCK cuvette tests, you benefit from fast, reproducible, and standards-compliant analyses.

Parameter	Measurement Range	LCK Test	Item Number
Nitrate	0.23–13.5 mg/L NO ₃ -N	LCK339	6013606
Phosphate (ortho/total)	0.05–1.5 mg/L PO ₄ -P	LCK349	6013721
Nitrite	0.015–0.6 mg/L NO ₂ -N	LCK341	010131695
Ammonium	0.015–2.0 mg/L NH ₄ -N	LCK304	010131691
Phosphate (ortho/total)	2.0–20.0 mg/L PO ₄ -P	LCK350	010131692
COD	100–2000 mg/L O ₂	LCK514	100009334
COD	5–60 mg/L O ₂	LCK1414	7304987
Ammonium	2.0–47.0 mg/L NH ₄ -N	LCK303	100009337
COD	15–150 mg/L O ₂	LCK314	010131687

Additional parameters and measurement methods are available upon request.



Drinking Water

Reliable monitoring of drinking water quality and legal limits.



Environmental Monitoring

Analysis of surface water, groundwater, and rainwater for environmental and water quality monitoring.



Industrial & Process Water

Monitoring of process, cooling, and boiler water for quality assurance and plant protection.



Wastewater & Wastewater Treatment Plants

Support for process monitoring and control of biological treatment processes.



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