

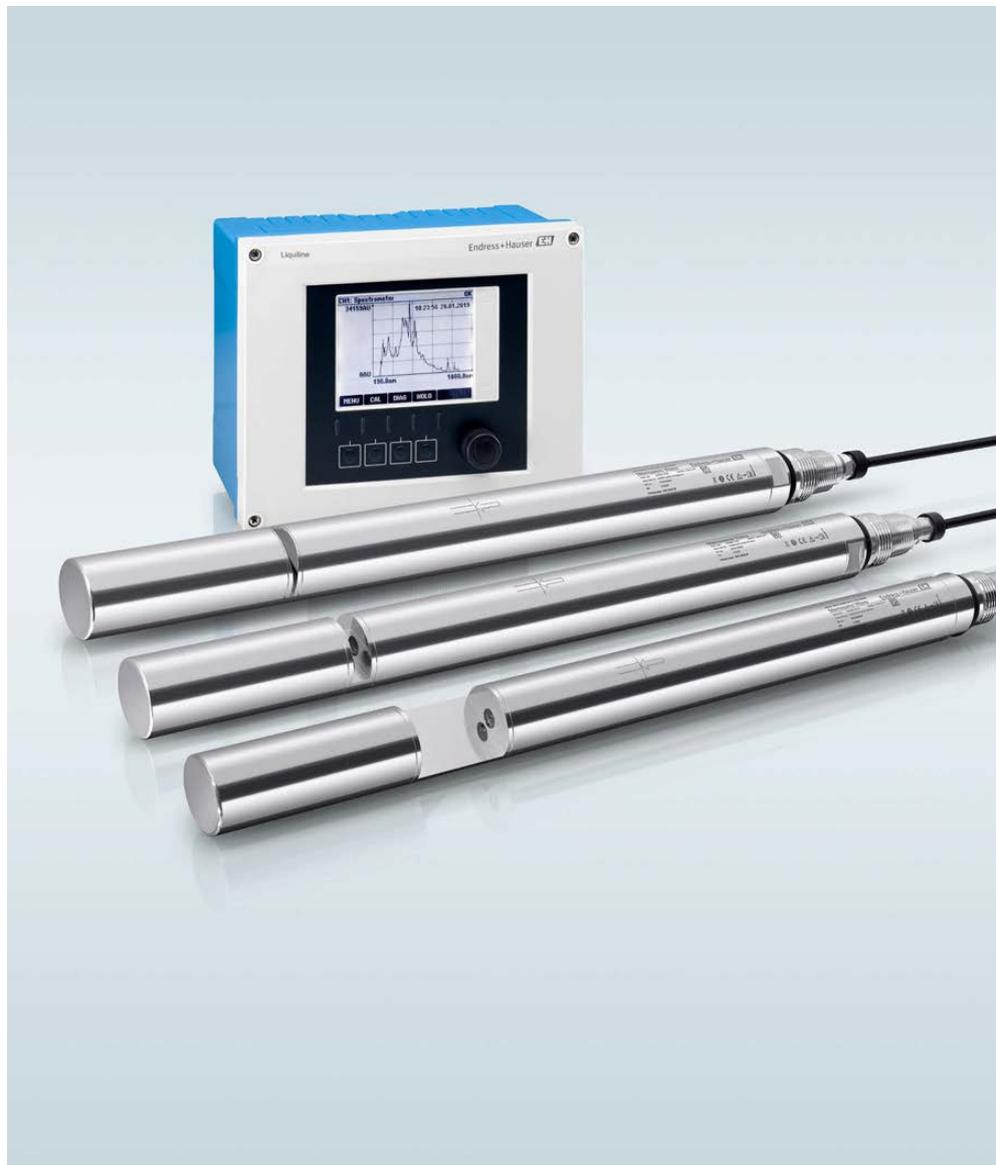


## An efficient assistant by your side

### Memosens Wave CAS80E ensures reliable real-time measurements in water and wastewater

The Memosens Wave CAS80E UV-VIS spectrometer boosts your efficiency and drives down the costs of measuring relevant analytical parameters in water and wastewater applications.

- Consistent real-time measurements thanks to operation directly in the basin or bypass.
- Reliable, interference-free communication with digital Memosens technology.
- Analysis of standard parameters in water and wastewater, including the chemical and biological oxygen demand (COD, BOD), turbidity, nitrate and spectral absorption coefficient (SAC).
- Quickly adapted to your specific application thanks to pre-installed analytical models.
- Compact, lightweight spectrometer that is simple to install and maintain.



**Do you need to consistently track water quality and limit values? With limited staff and on a tight budget? No easy feat, but one that's all the more pressing in light of ever tighter legal requirements and the scarcity of water resources worldwide. Good to have an efficient assistant by your side that you can rely on: the Memosens Wave CAS80E spectrometer.**

The instrument delivers the relevant values in real time. Depending on the application, it measures the values for your chosen parameters, including turbidity, dissolved solids, CODEq, BODEq, TOCeq, SAC254, nitrate and the APHA/Hazen color number. With Memosens Wave CAS80E, you will enjoy immediate, end-to-end analysis of the quality of your drinking water and surface water thanks to the spectrometer's minimum sensitivity to interference during signal transmission and short response times. Take advantage of real-time water quality monitoring in wastewater applications also: monitoring in the outlet or inlet means you can immediately detect load peaks at an early stage.

#### **Boost your efficiency**

The UV-VIS spectrometer covers the entire range from 200 to 800 nm and therefore replaces a host of instruments for individual analytical parameters. This drives down your installation and operating costs significantly. Similarly, your workload is considerably reduced, given that only one measuring point needs to be set up and operated.

You want to start working with your new Memosens Wave CAS80E assistant straight away? No problem: thanks to integrated, pre-installed analytical models for all standard water and wastewater applications, the spectrometer is up and running in next to no time. Furthermore, the Memosens Wave CAS80E is extremely handy and convenient to use. Just 40 mm in diameter and weighing a mere 1.6 kg, the device can easily be installed in your process single-handedly. Once installed, it measures reliably in basins or bypasses without the need for sampling or reagents. Thanks to digital Memosens technology, the spectrometer combines maximum process and data safety with easy handling.

#### **Less work, lower costs**

Memosens Wave CAS80E has proven to be extremely low-maintenance: the spectrometer minimizes the workload for operating staff and the distances they need to cover. This is because many parameters can be monitored without chemicals directly in the process and at a central location, and also due to the spectrometer's excellent performance in terms of its long maintenance intervals. Depending on the process conditions and with the aid of the available compressed air cleaning system, very little action is required on the part of operating staff. This saves valuable time and therefore money.

For particularly challenging environments, such as applications in seawater desalination or in industrial

wastewater treatment plants, the spectrometer is available with a robust titanium housing and durable sapphire windows.



#### **Everything from a single source**

The Memosens Wave CAS80E spectrometer works with the new generation of Liquiline CM44 transmitters and can be combined with all other Memosens sensors. This offers the major advantage that Memosens and Liquiline products can be effortlessly expanded, guaranteeing you complete flexibility for years to come. With our extensive product portfolio, Endress+Hauser offers you everything you need to meet the requirements of your water and wastewater applications.



Memosens Wave CAS80E (top right) in field test in a waterworks

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