



A sensor for any situation

Memosens CLS82D four-electrode conductivity sensor for the most stringent hygiene requirements

The ideal sensor for the life sciences industry

Reliability for product and process

- Unique hygienic design: Germs have no chance thanks to the guaranteed gap-free sensor element.
- EHEDG-qualified aseptic hygienic design, FDA-approved materials, certified in accordance with 3-A.
- Sets new standards in terms of process safety with patented Electrode Connection Surveillance.
- Data storage with Memosens technology helps with process documentation and traceability.

High level of plant availability

- Memosens reduces plant downtime and simplifies commissioning and maintenance.
- Memobase Plus software enables intelligent sensor management.

One sensor from the laboratory to the process

- Compact design for all-round use.
- A wide range of process connections make the high performance sensor suitable for every application.



Particularly in the life sciences industry, conductivity must be measured over a wide range; from average to high values in the process to low values in rinsing processes with ultrapure water. Endress+Hauser's new Memosens CLS82D four-electrode conductivity sensor now allows you to perform these measurements reliably with a single sensor. With its certified aseptic design, this sensor boasts exceptional reliability and precision and is also suitable for installation positions where space is restricted.

Reliable products and processes

A unique feature of the new Memosens sensor is its innovative sensor element made from ceramic with platinum electrodes. The advantage of these materials is their similar temperature expansion behavior. Even during extreme temperature changes the material bond stays tight so that no gaps occur at any time. The device's unique hygienic design not only guarantees cleanability but also aseptic hygiene. It has EHEDG and 3-A certification and complies with the pharmaceutical requirements of the FDA and USP Class VI.

The Memosens CLS82D sets new standards in terms of process safety thanks to its innovative Electrode Connection Surveillance. This feature ensures that a message is immediately displayed at the transmitter if the connection between the sensor's electrodes and the electronics in the sensor head is ever interrupted. Combined with the advanced diagnostic functions of Memosens



technology, you benefit from reliable, end-to-end monitoring over the entire measuring chain. Furthermore, data storage directly in the Memosens sensor head supports you with documentation in compliance with all applicable regulations and ensures traceability of your data.

Increased plant availability

Using Memosens technology, process downtime is kept to a minimum. The sensor's plug & play capability means that you can integrate the Memosens CLS82D in your process in the shortest possible time. This simplifies commissioning and maintenance. In conjunction with the Memobase Plus software, you can calibrate your

sensors in the laboratory under ideal conditions for improved sensor and quality management.

Data consistency from the laboratory to the process

The new Memosens CLS82D also allows you to use the same sensor in the laboratory, the process development and the production process. Thanks to its compact design, a wide selection of process connections and reliable values over a broad measuring range, this sensor is the right choice for a wealth of applications. Universal use of the same sensor guarantees standardized, simple operation offering consistent data and accurate measured values at all times.

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