



EC / TDS / PPM Probe: Memosens CLS82E



EC/TDS/PPM Sensor: Memosens CLS82E

~~Price Net 2'281,22 €~~

Sales price without tax 2'228,22 €

Tax amount

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Manufacturer [Borgmann Aquaponik Hydroponik](#)

Digital four-electrode conductivity sensor

Memosens CLS82E

Conductive Memosens 2.0 conductivity sensor for hygienic applications in the life sciences, food and beverage sectors

- **Measuring principle**

Conductive

- **Application**

Phase separation, chromatography, fermentation
CIP monitoring in small pipelines
Ultrafiltration
Final rinse

- **Characteristic**

Conductivity sensor with a large measuring range for all
hygienic applications with increased requirements for
process safety

- **Measuring range**

1 $\mu\text{S/cm}$... 500 mS/cm

- **Measuring principle**

Hygienic 4-electrode conductivity sensor

- **Design**

Certified hygienic design made from FDA approved



materials, EHEDG and 3-A certified, available as a 120 mm sensor with PG13.5 and other standard process connections

- **Material**

Process connection: Stainless steel 1.4435
Sensor element: Platinum and ceramic

- **Dimensions**

Sensor diameter: 12 mm (0.47 inch)
Electrode length: depends on the process connections

- **Process temperature**

-5 ... 120 °C (23 ... 248 °F)
Sterilization: max. 140 °C at 6 bar for max. 45 min
(Max. 284 °F at 87 psi for max. 45 min)

- **Process pressure**

17 bar abs at 20°C (247 psi at 68°F)
9 bar abs at 120°C (131 psi at 248°F)

- **Temperature sensor**

Pt1000



- **Ex certified**

ATEX, NEPSI, CSA, IECE, EAC Ex, INMETRO

- **Connection**

Clamp 1.5", Clamp 2", Varivent F DN25, Varivent N DN40-DN125, BioControl DN25, PG13.5, DN25 Standard/40mm, DN25 B.Braun port/65mm, thread G1", thread NPT 1" sensor head: Inductive, digital plug head with Memosens 2.0 technology

- **Connection protection class**

IP 68 / NEMA Type 6P

- **Additional certificates**

Test certificate EN 10204 3.1
3-A and EHEDG Hygiene certified
Conformity to cGMP derived requirements
ASME BPE
FDA compliant
Regulation (EC) No.
1935/2004, China Food



[data sheet](#)

Units in box: 1