

Turbidity and suspended solids sensor Turbimax CUS50D

Memosens sensor for turbidity, suspended solids and absorption measurement



More information and current pricing:

www.ch.endress.com/CUS50D

Benefits:

- High level of measurement accuracy and repeatability for stable measurements – in the middle and high turbidity measuring range
- High chemical resistance, low maintenance required: Sensor head consists completely of a dirt-repellent Teflon derivative.
- The robust plastic version of the sensor is designed for the use in corrosive media or saltwater.
- Fast and easy commissioning: Sensor comes pre-calibrated, includes various application models and can easily be adjusted via single-point-calibration.
- Automatic sludge model independently selects the optimum signal path for every sludge type.
- Perfect process adaption: Fast sensor positioning with a large variety of Endress+Hauser assemblies.

Specs at a glance

- **Measurement range** 40 to 4 000 FAU 0 to 60 g/L suspended solids 0 to 10 OD
- **Process temperature** Process temperature -20 to 85 °C (-4 to 185 °F) Ambient temperature -20 to 60 °C (-4 to 140 °F)
- **Process pressure** 0.5 to 4.5 bar (7.3 to 65.3 psi) absolute

Field of application: Turbimax CUS50D is a smart sensor that allows unattended operation in a wide range of industrial wastewater and process applications. Its absorption principle enables single-point-calibration. Choose from different integrated analytical models to adapt the sensor to your specific application. With Memosens digital technology, Turbimax CUS50D combines maximum process and data

integrity with simple operation. It resists corrosion and enables lab calibration.

Features and specifications

Turbidity

Measuring principle

Absorption

Application

Absorption sensor for turbidity and suspended solids measurements in industrial wastewater and processes

Installation

Insitu (immersion in process or retractable assembly)

Measurement range

40 to 4 000 FAU

0 to 60 g/L suspended solids

0 to 10 OD

Measuring principle

Absorption

Design

40 mm sensor

Material

Sensor head: PCTFE

Sensor shaft: 1.4571 stainless steel (316TI) or plastic (PPS GF40)

O-ring: EPDM

Dimension

209.5 x 40 mm (8.25 x 1.57 inch)

Process temperature

Process temperature -20 to 85 °C (-4 to 185 °F)

Ambient temperature -20 to 60 °C (-4 to 140 °F)

Turbidity

Process pressure

0.5 to 4.5 bar (7.3 to 65.3 psi) absolute

Connection

G1, NPT3/4

Ingres protection

IP68

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