Turbidity and suspended solids sensor Turbimax CUS50D

Memosens sensor for turbidity, suspended solids and absorption measurement



More information and current pricing:
www.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

- **Measuring 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

Total Solids / Total Suspended Solids

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)

Design
40 mm sensor

Dimension
209.5 x 40 mm (8.25 x 1.57 inch)

Material
Sensor head: PCTFE
Sensor shaft: 1.4571 stainless steel (316TI) or plastic (PPS GF40)
O-ring: EPDM

Measuring range
40 to 4 000 FAU
0 to 60 g/L suspended solids
0 to 10 OD

Process pressure
0.5 to 4.5 bar (7.3 to 65.3 psi) absolute

Connection
G1, NPT3/4

Ingress protection
IP68

Turbidity

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