LENNTECH
WATER TREATMENT SOLUTIONS

Turbidity assembly Cleanfit CUA451

Retractable assembly for water, wastewater and utilities

More information and current pricing:
www.endress.com/CUA451

Benefits:

- One assembly for all applications: The 'one for all' principle optimizes stockholding, speeds up project handling and simplifies life cycle management.
- Easy and safe maintenance: Sensor service and cleaning without process interruption.
- Robust design: Process pressure up to 10 bar (145 psi), manual operation up to 2 bar (29 psi).
- Convenient and time-saving operation: Rinse-water connection allows cleaning without removing sensor from the process.

Specs at a glance

- **Process temperature** 0 to 85 °C (32 to 185 °F)
- **Process pressure** For manual assembly operation : max 2bar (29psi) Medium pressure : max. 10bar (145psi)

Field of application: Cleanfit CUA451 is a retractable assembly for all fields of turbidity and suspended solids measurements. It is equipped with a stop bolt, O-ring seals and a ball valve, enabling complete separation of process and sensor compartment. This allows you to access the sensor without interrupting the process or emptying the pipe or tank. Better still, benefit from increased process and operational safety and significantly reduced maintenance effort across the whole measuring point.

Features and specifications

Turbidity

Measuring principle

Single beam scattered light

Application

- Primary sludge and return activated sludge in sewage treatment plants.- Sludge centrifuge monitoring- Filter monitoring and filter backwash- Monitoring of phase break processes.- Cooling water monitoring.

Installation

Manual retractable holder with ball valve for pipe or bypass installations.

Characteristic

- Cleaning possible in every operation mode due to rinse water connection.- Sensor monitoring and calibration without process interrupt.

Design

Manual retractable holder with rinse water connections and external cleaning system. Rinse water connection can be used as sealing water inlet.

Material

Holder : stainless steel 1.4404Sealing : Viton

Dimension

Immersion depth : 170mm or 270mm
(6.63 - 10.53inch)

Process temperature

0 to 85 °C (32 to 185 °F)

Process pressure

For manual assembly operation : max 2bar (29psi)
Medium pressure : max. 10bar (145psi)

Connection

Process connections : Flange DN50/PN16; ASME 2"/150lbs; G2";Rinse water connections: 2x G1/8; Air supply: 9mm tubing.

Turbidity

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