Online turbidity meter Turbimax CUE21

Compact system with sample condition adjustment for drinking and process water applications

More information and current pricing:
www.lasc.endress.com/CUE21

Benefits:

- Long service intervals to save on operational costs
- Fast and easy calibration, verification within seconds
- Low volume of flow-through cuvette speeds up response time
- Automatic ultrasonic cleaning function reduces maintenance effort
- Sample condition adjustment (flow and pressure) included

Field of application: Turbimax CUE21 is a reliable turbidity meter for continuous measurement compliant to EN ISO 7027. Operation is simple: connect the water, adjust the settings and the system runs unattended. Turbimax CUE21 provides guided calibration according to predefined standards, helping to streamline maintenance. Its automatic ultrasonic cleaning function extends service intervals offering significant savings in operational expenditure.

Features and specifications

Turbidity

Measuring principle

Single beam scattered light

Application

Online continuous monitoring of clean water :
- Drinking water
- Treated process water

Installation

Compact device for bypass-installations.

Characteristic

" Versions with infrared light source
" Fast and easy calibration
" Complete primary calibration in less than 5 minutes
" Verification in seconds
" Reduced calibration costs and quick response times thanks to low volume sample chamber
" Automatic continuous ultrasonic cleaning (Autoclean)increases cleaning intervals dramatically
" Simple modular design
" Easy to use and service
" Affordable thanks to modular microprocessor based technology
" Digital high-speed connections through RS-485 with Modbus
Optional Features:
" Flow chamber for bubble suppression
" Reusable calibration kit

Measurement range

0 - 1000 NTU

Measuring principle

Turbidity measurement using standardised 90° scattered light method acc. to ISO 7027/EN27027(Infrared Light)

Turbidity

Design

The transmitted infrared light beam is scattered by the solid matter particles in the medium. The scattered light beams are detected by scattered light receivers which are arranged at an angle of 90° to the light source.

Material

Housing: ABS
Flow-through head: Nylon
Sample cuvette: Borosilicate glass
Sample cuvette seal: Silicone
Flow-through fittings: Polypropylene
Flow-through lock down pins: Stainless steel (AISI 304 or AISI 303)
Inlet tube: Stainless steel (AISI 316)

Dimension

347,16 x 207,65 x 196,85 mm
(13.66 x 8.17 x7.75 inches)

Process temperature

1°C - 50°C
(34 - 122°F

Process pressure

max. 13.78 bar / 200 psicontrolled by integral pressure regulator

Ingres protection

IP66

Output / communication

4-20mA, galvanic isolated
Bi-directional RS-485, Modbus optional.

More information **www.lasc.endress.com/CUE21**

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