

S200 TUr Measurement of Turbidity

RANGE S200

S200 TUr



Complete set of measure and control

- Accurate measurement of low concentration of Turbidity
- Ranges : 0-10 ; 0- 100 NTU
- In compliance with ISO 7027 – IR Nephelometry
- Self-cleaning of the system by US method

Main application areas

- Cooling water treatment
- Drinking water and beverage.

Features

Fast and Easy Calibration

Verification in seconds while a complete primary calibration can be completed in less than 5 minutes.

Low Volume Sample Chamber

Low volume sample chamber (30 ml) reduces calibration costs and provides quick response times.

Low Maintenance Fail Safe Design

Simple Modular Design. Easy to Use and Service

Bubble Rejection System

Eliminates bubbles without delaying the response time.

Affordable

Modular microprocessor based technology ensures high quality at the industry's lowest price.

AutoClean

Ultrasonic cleaning allows for the first EPA Accepted Automatic Cleaning OnLine Turbidimeter

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Technical characteristics for the measure

Measured parameter	
Measuring principle Turbidity	IR Nephelometry ISO 7027
Measuring range	0-10 to 0-100 NTU
Resolution	Between 0-10 NTU : 0.0001 NTU Between 10 and 100 NTU : selectable
Accuracy	Between 0-40 NTU : 2 % of reading or +/- 0.02 (whichever is greater) 5 % of reading above 40 NTU
Response time	Adjustable (5 to 500 secondes)
Sample Temperature Range	1-50 °C

Technical characteristics S200 TUr

Software and functionality	
1 Analog output	4-20 mA electrically isolated Load max. 600Ω
2 Relay outputs	Selectable high/Low alarms (NO/NC/C) 120-240 VAC, 2 A
1 Digital interface	RS485 Modbus bidirectionnal

Constructional design wall-mounted casing S200 TUr	
Mains power	100-240 VAC, 47-63 Hz, 80 VA
Display	LCD display, 4x20 characters, alphanumeric, backlight Easy operation by means of 4 keys
Weight	2.5 Kg
Protection class	IP 66/NEMA 4X
Input Pressure	1-200 psi (built regulator set at 15 psi)
Flow Rate	100 ml/min to 1 L/min
Operating temperature	1 to + 50 °C
Environmental conditions	Not recommended for outdoor use Altitude up to 2000 meters Up to 95 % RH (non-condensing)
Regulatory Compliance And Certifications	ISO 7027 – IR Nephelometry CE approved, ETL listed to UL 61010B-1 & ETL Certified to CSA 22.2 No. 1010-1-92

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Installation size

