

TURBSS6 ON-LINE TURBIDIMETER

Turbidity in flowing cell for continuous monitoring applications. Microprocessor electronics. Based on the optical principle of the scattered light projected on a liquid surface. The measuring cell contains the external sensor to the flow (without wetted parts). Reduced interference with the solid pollutants. Measuring range selectable in 60 steps from 0.01 ... 9999 NTU.



Applications:

- Daily surveillance task. Turbidity monitoring on colloidal solutions, solids suspended in drinking water purification, wastewater, and oxidation-reduction neutralization, sedimentation, fertilizers, etc..
- Condensate Drains compressors and air conditioners
- Filtration efficiency, ultrafiltration, reverse osmosis, etc..

DESCRIPTION

Measuring principle nephelometric simple beam with diffused light. Measuring chamber inclined to facilitate drainage solid pollutants, and exhaust backwashing for cleaning. External sensors not in contact with liquid in sampling.

TECHNICAL SPECIFICATIONS

Measurement range:	0-9999 Nephelometric Turbidity Units (NTU) (1 NTU = 2.5 mg/l SiO ₂)
Accuracy:	± 5.0% from 0 to 2000 NTU; ± 10.0% from 2000 to 9999 NTU
Resolution:	0.01 NTU below 100 NTU 0.1 NTU between 100 and 999.9 NTU 1.0 NTU over 1000 NTU
Repeatability:	± 1.0% or ± 0,04% NTU, whichever is the larger value
Response Time:	initial response in 30 seconds
Flow of sample required:	from 1,0 to 2,0 liters/min. (from 15 to 30 gal/h).
Sample temperature:	0...50°C (32... 122° F); SE model 0...50°C (32...122°F), intermittently from 50 to 80°C (30 to 180°F); SE model with optional heat exchanger by - 0 to 93°C (32 to 200°F)
Environmental temperature:	0...40°C (32...104°F)
Recorder Output:	selectable between 0-10 mV, 0-100 mV, 0-1 V or 4-20 mA. Interval programmable output of all values from 0 to 9999 NTU.
Alarms:	two alarms to the desired value of turbidity, alarm reporting tool and unresponsive system, are all equipped with an SPDT relay, contacts without power estimated for a resistive load of 5A at 230 Vac. 2 The alarm can be turned off and used his contacts to control flushing valves.
Supply:	115/230 Vac, 50/60 Hz,switch selectable, 0,5 / 0,3 A
Power supply of the heating system built in:	115/230 Vac, 50/60 Hz,switch selectable; 0,5/0,3 A
Inlet fitting of the sample:	¾" NPT female
Discharge fitting for the overflow:	1" NPT female
Discharge fitting of the body:	¾ " NPT female
Fittings air purge:	compression fitting ¼ " ; airflow from 0 to 50 SCFH of clean air of the instrument
Structure of the control unit:	Plastic NEMA 4X enclosure with clear polycarbonate cover suitable for indoor installations
Unit structure of the sample:	Plastic NEMA-12 suitable for indoor installations
Dimensions Width x Height x Depth:	Unit control: 34.3 x 22.8 x 19.0 cm (13.5 x 9 x 7.5") Sample unit: 64.2 x 67.5 x 19.0 cm (25.3 x 26.6 x 7.5")
Mounting:	Wall mounting. It provides a bench support optional.
Shipping Weight:	TURBSS6 -- 15.8 kg (35 lbs); TURBSS6 SE -- 18kg (40 lbs)



SATEMA

13856 VIGLIANO B.SE - Via Milano, 395

Tel. +39 015811102 - Fax 0158853029

Mail: info@satema.it <http://www.satema.it>