

SE WATER AND AIR PRIVATE LIMITED



Water & Air

NEPHELOMETRIC TURBIDITY

OPTICAL TECHNOLOGY

FOR OPTIMIZED
MEASURES

DATASHEET



APPLICATIONS

- ◆ Urban wastewater treatment (inlet/outlet controls)
- ◆ Sanitation network
- ◆ Industrial effluent treatment
- ◆ Surface water monitoring
- ◆ Pumping drinking water

DIGITAL TECHNOLOGY

- ◆ The measure principle is based on IR nephelometry / 850 nm. The sensor can be calibrated with a formazine standard solution
- ◆ The NTU sensor integrates a low-cost optical technology, with a very few maintenance and no consumables.

TECHNICAL CHARACTERISTICS

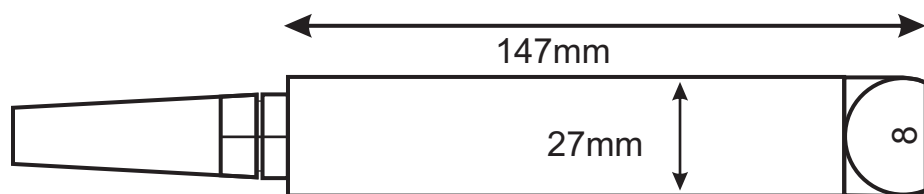
Measures

Measure principle	Diffusion IR at 90°	
Measure ranges	5 to 4000 NTU in 5 ranges: • 5 - 50 NTU • 5 - 200 NTU • 5 - 1000 NTU • 5 - 4000 NTU • AUTOMATIC	0, to 4500 mg/L Calioration : Range 0-500mg/L according to NF EN 872 Range >500 mg/L according to NE T90 105 2
Resolution	0,01 to 1 NTU - mg/L	
Accuracy	< 5% of the reading	
Working temperature	0°C to + 50°C	
Measure of temperature	Via CTN	
Stocking temperature	-10°C to + 60°C	

Sensor

Dimensions	Diameter : 27 mm ; length : 147mm	
Weight	300 g(sensor +cable 3meters)	
Material	PVC, DELRIN, Quartz, PMMA, Polyamide	
Maximum pressure	5 bars	
Connection	9 armoured connectors, polyurethane jacket, bare-wires or waterproof Fisher connector	
Degree of protection	IP68	

DIMENSIONS (in mm)



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