

Nephelometric sensor according to US EPA 180.1 for the automatic and continuous measurement of turbidity. For use with AMI Turbiwell transmitter.

Application examples

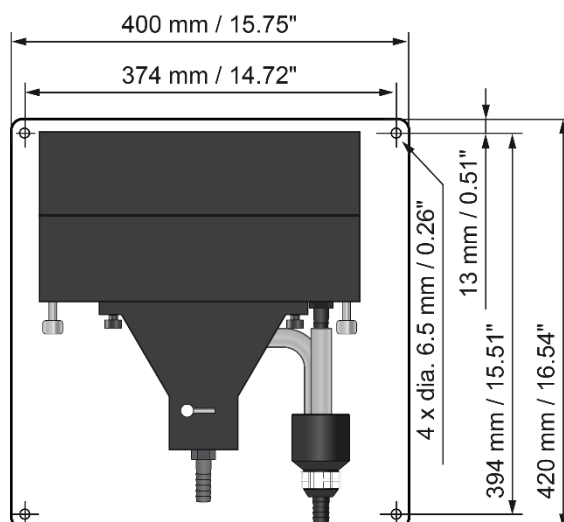
- For applications in potable water, surface water treatment and effluent.

Measuring range

- 0.000 – 100 NTU.

Instrument features

- Non-contact measurement:
optical system is not in direct contact with the sample, no fouling on optical surfaces.
- Heated optics prevent condensation.
- Manual or automated draining of the sample chamber for removal of sediments.
- Easy cleaning of sample compartment.
- Factory calibrated with formazine.



Specifications

Turbidity measurement

Nephelometer according to US EPA 180.1 (registered alternate test procedure in accordance with 40 CFR 136.4)

Measuring range: 0.000 – 100 NTU

Precision: $\pm (0.003 \text{ NTU} + 1 \% \text{ of reading})$

Accuracy (based on formazine):

Range 0 – 40 NTU: $\pm (0.01 \text{ NTU} + 2 \% \text{ of reading})$

Range >40 NTU: $\pm 5 \% \text{ of reading}$

Panel

Dimensions: 16.54 x 15.75 x 8.6"

Material: white PVC

Weight: 18.0 lbs

Sample conditions

Flow rate: approx. 5 – 16 gal/h

Temperature: up to 113 °F

Sample temperature max. 36 °F over ambient temperature

Outlet pressure: pressure free, atmospheric drain

Sample connections

Inlet: 1/4 " thread / Ø 0.39" (10 mm) nozzle

Drain: 1/2" thread / Ø 0.62" (16 mm) nozzle,
tubing 0.59 x 0.78" (15 x 20 mm)

Please refer to datasheet DenA15411X00 regarding AMI Turbiwell transmitter.

Order numbers:	Swansensor Turbiwell W/LED	A-87.532.2_ _
Cable length	1 m	1
	5 m	5
	15 m	7
Drain valve	Manual drain valve	1
	Automatic drain valve: "Auto drain" with electrical motor	2
Accessories	Verification kit Turbiwell W/LED Low NTU	A-85.151.065
	Verification kit Turbiwell W/LED High NTU	A-85.151.075

