

Turbidity Checker

NEW

TSC-10(E)

Make a new style of Turbidity Measurement

Easy Installation, Simple Operation.



90 degree scattered light method

Turbidity Checker TSC-10(E) uses a method of 90 degree scattered light as the measuring principle of the world common standard.



Built-in wiper cleaning system

The Built-in wiper cleaning system certainly keeps lenses clean.



Sapphire glass of the optical windows

The optical windows are made of hard-to-scratch sapphire glass. It enables to scrub the window surface to maintain the Turbidity Checker.



Compact design

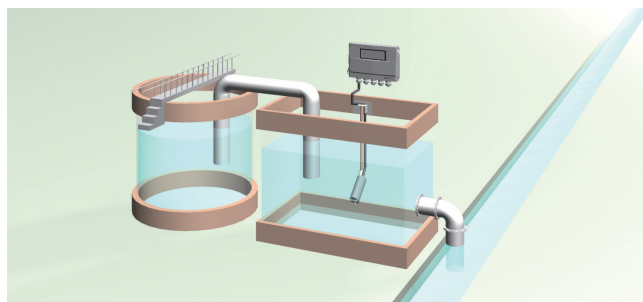
The compact design makes it possible to install easily.

Specifications

Name	Turbidity Checker
Model No.	TSC-10(E)
Measuring range	0.00-500.0(NTU/FNU)
Power supply voltage	AC100-240V±10% 50/60Hz
Power consumption	Normal:15VA or less, During cleaning:22VA max.
Display resolution	0.01(0.00-19.99), 0.1(20.0-500.0) NTU/FNU
Output	Signal Output (analog 4-20mA, resistance load of 300Ω max.)
	Self-checking Relay Output (non-voltage C-contact capacity 240VAC, 1A resistance load)
	Alarm Relay Output (non-voltage C-contact capacity 240VAC, 1A resistance load)
Alarm timer	1 to 120 minutes (adjustable)
Calibration	Distilled water
Cleaning system	Automatic wiper cleaning system
Time interval for cleaning	10 to 240 min (selectable)
Measuring water temperature	0 to 40°C (unfrozen)
Ambient temperature	Transmitter:-20 to +50°C, humidity 95%Rh or less (Avoid direct sunlight)
Operating altitude	Altitude up to 2000m
Main material	Detector:SUS316L, sapphire glass, fluorocarbon rubber, EPDM, Polyolefin (cable)
	Transmitter:Polycarbonate
Dimensions	Detector:approx. ø48×133mm
	Transmitter:approx. W×H×D 240×162×75mm
Weight	Detector:approx. 1.0kg
	Transmitter:approx. 1.6kg
Degree of protection	Detector:IP68, maximum depth of 2m (underwater type)
	Transmitter:IP65 (jetproof type) Pollution degree 2
Detector cable length	9m
Option	TSC-MK:maintenance kit, TA-3:mounting attachment,

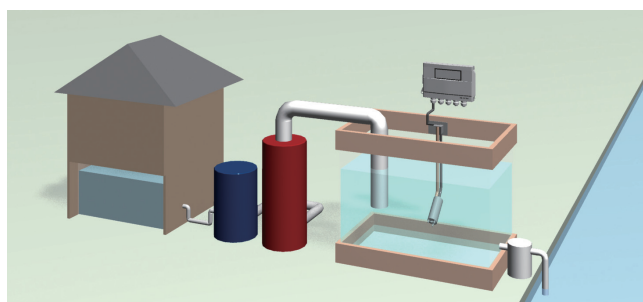
Application

Measurement of the effluent



Measuring the turbidity of the effluent from the waste water treatment plant makes it possible to monitor the treatment condition.

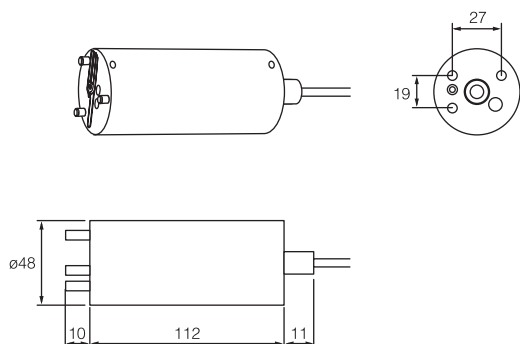
Measurement of the intake water



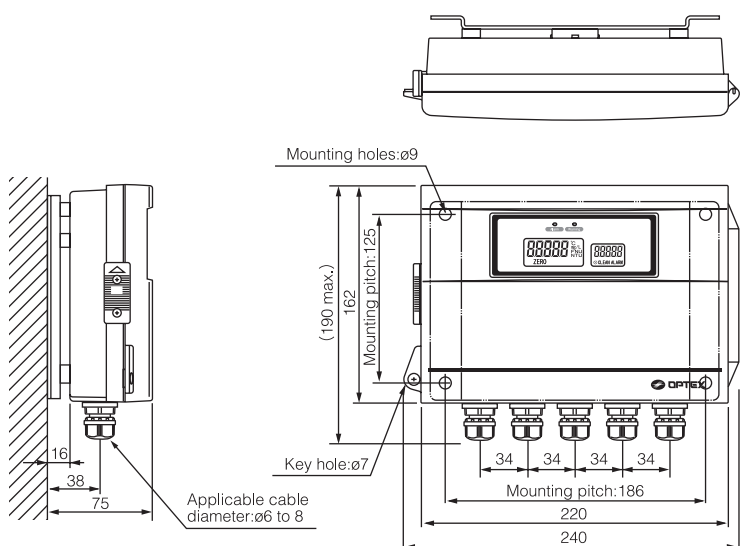
Measuring of the intake water for drinking water manufacturing process makes it possible to prevent any troubles that may be caused by sudden turbidity change.

Dimensions

Detector



Transmitter



(mm)

Note:Specifications are subject to change without prior notice.

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