

## Easy Installation, Simple Operation.



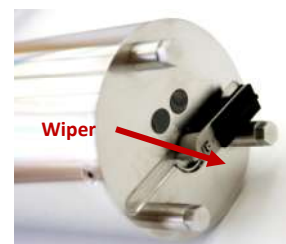
### Turbidity Checker **TSC-10-D**

#### ■ 90 degree scattered light method

TSC-10-D 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

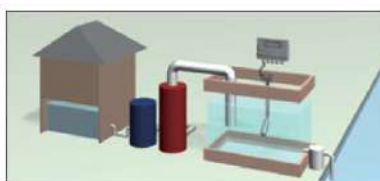
The compact design makes it possible to install easily.



#### ■ Applications



Measurement of the  
effluent



Measurement of the  
intake water

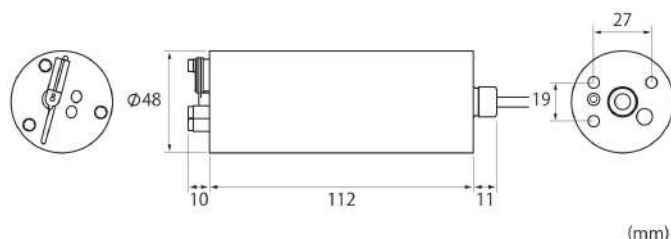
# Turbidity Checker

## TSC-10-D

### Specifications

Description	Turbidity Checker
Model	TSC-10-D
Measurement range	0.00 to 1000.0 NTU
Display resolution	0.00 to 19.99 NTU: 0.01 20.0 to 1000.0 NTU: 0.1
Power input	24 VDC $\pm$ 10%
Current consumption	Standard: 30 mA max During cleaning: 230 mA max.
Communication	MODBUS (RTU/ASCII)
Cleaning system	Wiper cleaning
Operating temperature	0 to 40°C (unfrozen)
Major material	SUS316L, Sapphire glass, Fluorocarbon rubber, EPDM, PVC (cable)
Dimension	$\Phi$ 48 x 133 mm
Weight	Approx. 1.1 kg
Degree of protection	IP68, maximum depth of 2 meters (underwater type)
Cable length	9 m

### Dimensions



### Optional items

#### Universal transmitter: SC-U1(E)

- 2 sensors can be installed.  
(max. 4 sensors can be installed  
when using expansion board)
- 4-20 mA output
- Relay output



#### Mounting attachment: TA-3



### OPTEX sensors line-up

#### Turbidity TC-3000-D



#### Dissolved oxygen DOS-20



#### Suspended solids TS-1000-D



#### pH SE-pH-D



#### Suspended solids TS-Mx-D



#### ORP SE-ORP-D



#### Color and Turbidity TDC-Mi



#### Conductivity SE-Cond-D



### Maintenance kit: TSC-MK

Replacement for wiper parts

\*Replace once a year is recommended



●The appearance and specifications are subject to change for improvement without prior notice. ●The colors might be slightly different from the actual products. ●Safety Precautions: Read the instructions manual carefully and thoroughly before using the appliance, and then use it correctly. ●The products have a limited life. Maintenance and replace it regularly.

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