

# Easy-to-use for SS and transparency

\* Measurement item must be selected.



## SS Checker TS-1000-D TS-1000SP-D (For seawater)

### ■ Built-in wiping cleaning system certainly keeps lenses clean.

Check and clean the window surface once every month.



### ■ “Easy to clean” scratch-proof sapphire glass for the optical windows.

The optical windows are made of hard-to-scratch sapphire glass. It enables you to scrub the window surface without problems.



### ■ Compact size can fit into any installation site.

The compact design makes it possible to install any places.



### ■ Can be measured by switching SS and transparency.

- Measurement range;  
SS: 0.0 to 1000 mg/L (kaolin)  
Transparency: 0 to 100 cm (JIS K 0102: 2016)
- display resolution;  
SS) 0.0 to 49.9 mg/L (0.1 mg/L)  
50 to 1000 mg/L (1 mg/L)  
Transparency) 0 to 100 cm (1 cm)

### ■ Applications



Monitoring the final discharged water.



Controlling the coagulation agent.



Controlling the rinse water.



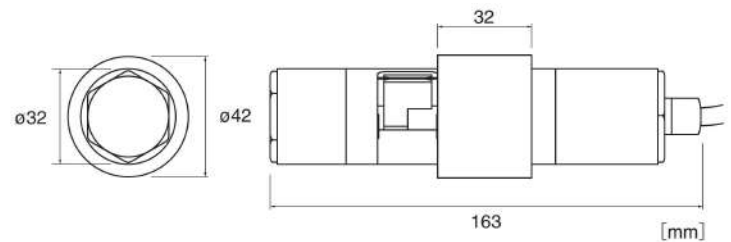
Controlling the water recycle system.

# SS Checker TS-1000-D

## Specifications

Description	SS Checker	
Model	TS-1000-D	TS-1000SP-D (For seawater)
Measurement range	SS: 0.0 to 1000 mg/L (kaolin) Transparency: 0 to 100 cm (JIS K 0102: 2016)	
Display resolution	SS) 0.0 to 49.9 mg/L: 0.1 mg/L 50 to 1000 mg/L: 1 mg/L Transparency) 0 to 100 cm : 1 cm	
Power input	24 VDC ± 10%	
Current consumption	Standard: 15 mA max. During cleaning: 130 mA max.	
Communication	MODBUS (RTU/ASCII)	
Cleaning system	Wiper cleaning system	
Operating temperature	0 to 40°C (unfrozen)	
Major material	Body: SUS316L	Body: SUS3294J4L
	Sapphire glass, Fluorocarbon rubber, EPDM, POM	
Dimensions	Φ 32 x 163 (exclude mounting attachment)	
Weight	Approx. 930 g	
Degree of protection	IP68, maximum depth of 2 meters (underwater type)	

## 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



### Maintenance kit: TC-MK

- Replacement for wiper parts
- \*Replace once a year is recommended



### Mounting attachment: TA-1

- \* Not include pipes



## OPTEX Sensors Line-up

Turbidity  
**TC-3000-D**



Dissolved oxygen  
**DOS-20**



Turbidity  
**TSC-10-D**



pH  
**SE-pH-D**



Suspended solids  
**TS-Mx-D**



ORP  
**SE-ORP-D**



Color and Turbidity  
**TDC-Mi**



Conductivity  
**SE-Cond-D**



●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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