

*SS Checker*

# Suspended Solids-monitoring Revolution

Easy-to-use compact model has been achieved with well-developed functions.



SS Checker:  
**TCS-1000**

Transmitter:  
**SC-T4**

**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.**

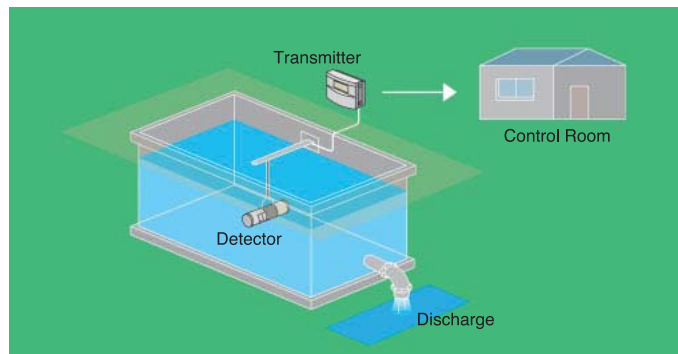
The optical windows are made of hard-to-scratch sapphire glass. It enables you to scrub the window surface without problems.

**Compact size can fit into any installation site.**

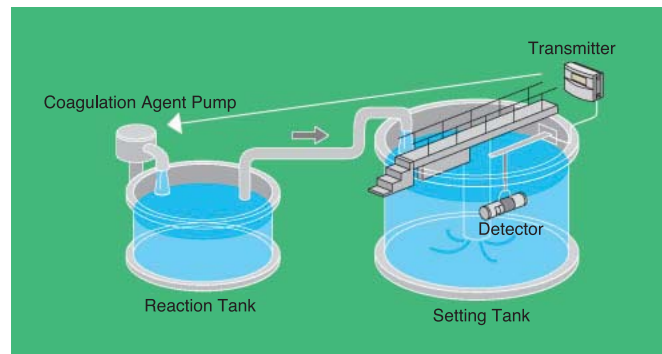
The compact design makes it possible to install any places.

## Application

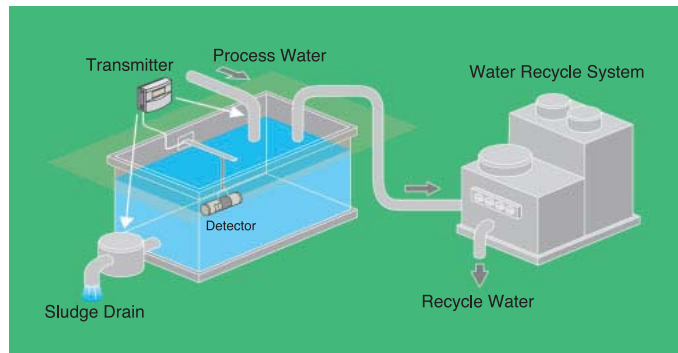
### Monitoring the final discharged water.



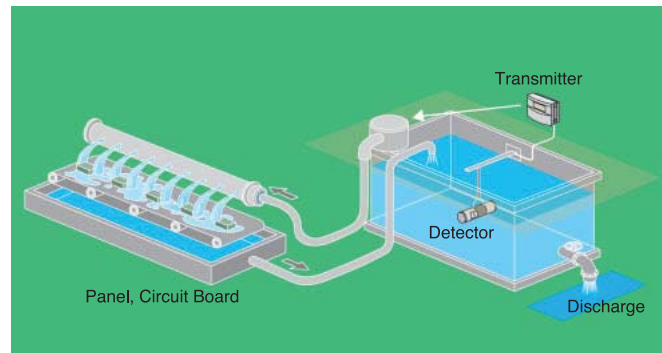
### Controlling the coagulation agent.



### Controlling the water recycle system.

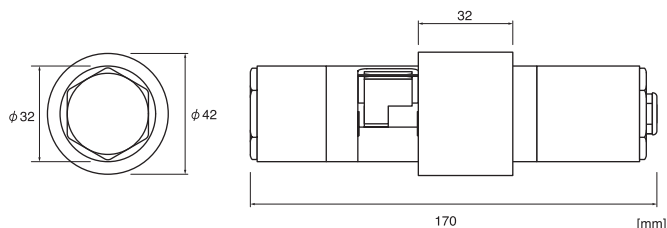


### Controlling the rinse water.

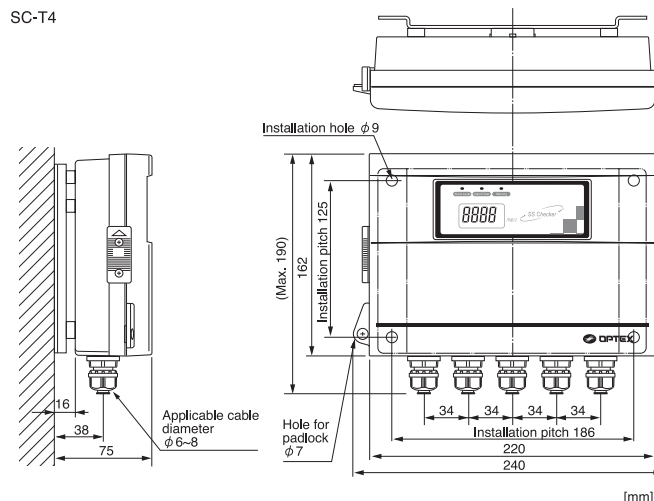


## Dimensions

TCS-1000



SC-T4



## Specifications

Model No.	TCS-1000
Measuring range	0-1000 (mg/l)
Power supply	DC 12V±10%
Current draw	At regular operation: 30mA (Max.), At cleaning operation: 240mA (Max.) (excluding analog signal output)
Output	Analog (4-20mA) Signal Output: resistance load of 300Ω (Max.) 4mA: 0 (mg/l) 20mA: 1000 (mg/l) Self Checking Output: open collector (12VDC 20mA Max.)
Input	Calibration Signal Input
Cleaning system	Both sided swing wiper cleaning system
Time interval for cleaning	Clean once immediately after power-on, and subsequently clean once every 10 minutes.
Operating Temperature	0~40°C (unfrozen)
Major Material	SUS 316L, sapphire glass, fluorocarbon rubber, EPDM, POM
Dimensions	φ32x170mm (excluding Horizontal Hanging Attachment)
Weight	approx. 930g
Degree of Protection	IP 68, maximum depth of 2 meters (underwater type)
Detector cable length	10m
Option	Transmitter (SC-T4), Mounting Attachment (TA-1), Maintenance kit (TC-MK)

Model No.	SC-T4
Power supply	AC100 ~ 240V±10% 50/60Hz
Power consumption	Normal: 8VA or less, during washing: 16VA or less (including detector, at the time of analog signal input/output of 20mA)
Display resolution	0.1mg/l (0-49.9mg/l), 1mg/l (50-1000mg/l)
Output	Calibration Output Power Supply for Sensor (12 VDC) Signal Output (analog 4-20mA, resistance load of 300Ω or less) Self-checking Relay Output (non-voltage C-contact capacity 240 VAC, 1A resistance load) Alarm Relay Output (non-voltage C-contact capacity 240 VAC, 1A resistance load)
Input (detector)	Detector signal input (analog 4-20mA, input resistance approx. 100Ω) Self-checking input
Operating temperature	-20 to +50 °C, humidity 95%Rh or less (Avoid direct sunlight)
Main material	Polycarbonate
Dimensions	HxWxD = approx. 162x240x75 mm
Weight	Approx. 1.6kg (including Mounting Brackets)
Degree of protection	IP65 (jetproof type)

Note: Specifications and design are subject to change without prior notice.



**OPTEx CO., LTD.** ISO9001 Certified by LRQA  
**Environmental Instrumental Business Dept.**  
 5-8-12 Ogoto Otsu Shiga,  
 520-0101 Japan  
 TEL +81-77-579-8690 FAX +81-77-579-7120  
 Email env@optex.co.jp  
 URL <http://www.optex.co.jp/env/eng/>

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