

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.

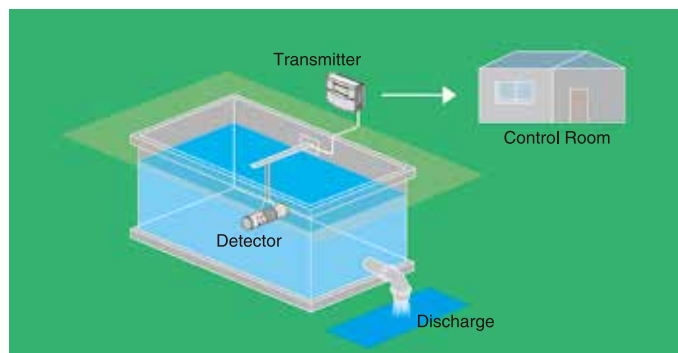
The optical windows are made of hard-to-scratch sapphire glass. It enables you to scrub the window surface without problems.

Compact size can fit into any installation site.

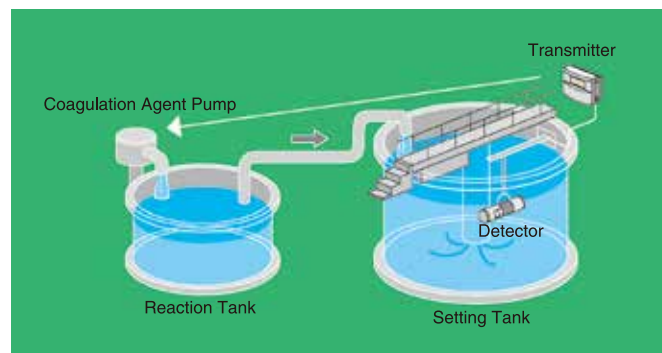
The compact design makes it possible to install any places.

Application

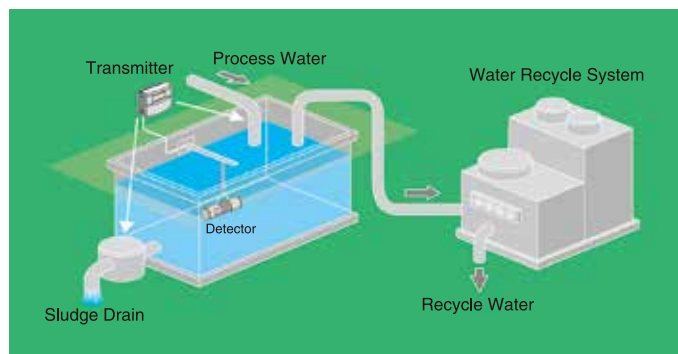
Monitoring the final discharged water.



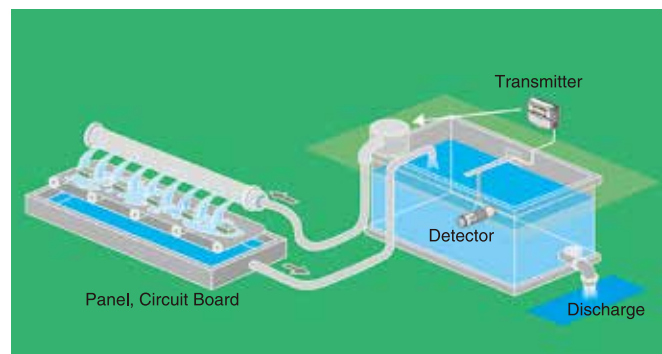
Controlling the coagulation agent.



Controlling the water recycle system.

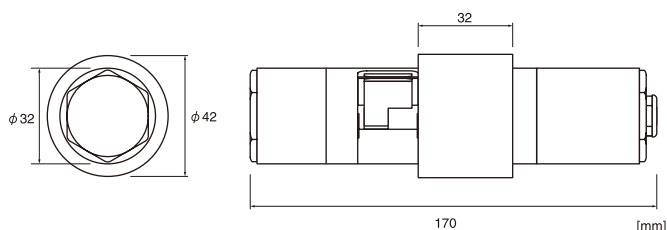


Controlling the rinse water.

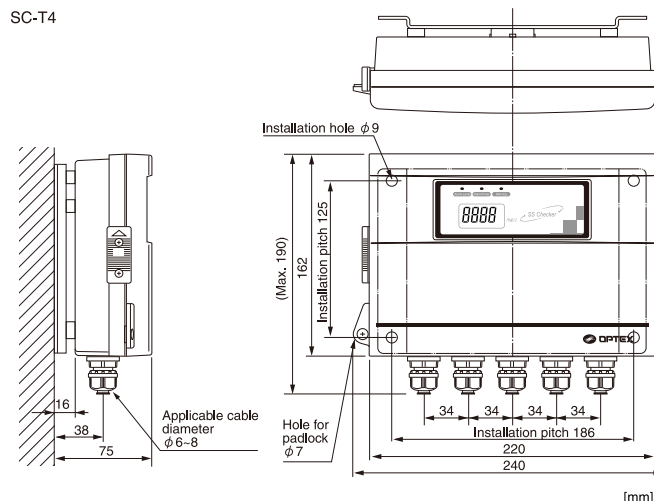


Dimensions

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.162x240x75mm
Weight	Approx. 1.6kg (including Mounting Brackets)
Degree of protection	IP65 (jetproof type)

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

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