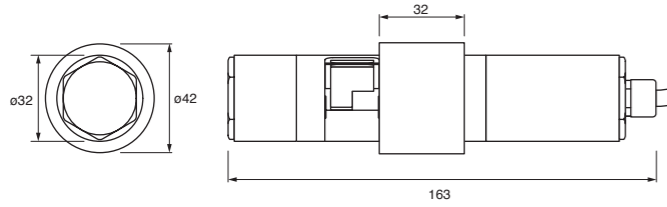
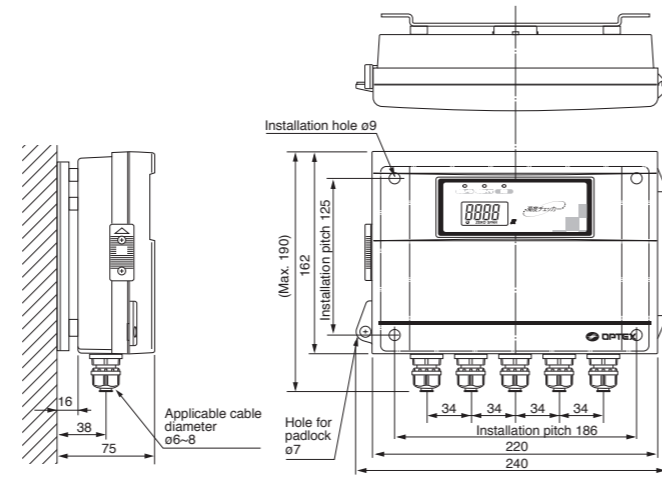


■ Dimensions

TC-100/500/3000



SC-T3



[mm]

■ Specifications

Model No.	TC-100	TC-500	TC-3000
Measuring range	0-100 (FTU)	0-500 (FTU)	0-3000 (FTU)
Power Supply	12 VDC ±10%		
Current Draw	At regular operation: 30 mA (Max.), At cleaning operation: 240 mA (Max.) (excluding analog signal output)		
Output	Analog (4-20 mA) signal output: resistance load of 300 Ω(Max.) 4 mA: 0 FTU 20 mA: 100 FTU (TC-100), 500 FTU (TC-500), 3000 FTU (TC-3000) Self-checking output: open collector (12 VDC 20 mA Max.)		
Input	Calibration signal input		
Cleaning system	Both sided swing wiper cleaning system		
Time interval for cleaning	every 30 minutes	every 10 minutes	
Operating Temperature	0 to 40°C (unfrozen)		
Major Material	SUS 316L, sapphire glass, fluorocarbon rubber, EPDM, POM		
Dimensions	ø32 x 163 mm (excluding horizontal hanging attachment)		
Weight	Approx. 930 g		
Degree of Protection	IP68, maximum depth of 2 meters (underwater type)		
Detector cable length	10 m		
Option	Transmitter (SC-T3), Mounting attachment (TA-1), Maintenance kit (TC-MK)		

Model No.	SC-T3
Power Supply	100-240 VAC ±10% 50/60 Hz
Voltage Draw	At regular operation: 8 VA (Max.) At cleaning operation: 16 VA (Max.) (including analog signal input/output 20 mA)
Display Resolution	TC-100: 0.1 TC-500: 1 TC-3000: 5
Output	Calibration output Power supply for detector (12 VDC) Analog (4-20 mA) signal output: resistance load of 300 Ω Max. Self-checking output (non-voltage C-contact capacity 240 VAC, 1 A resistance load) Alarm output (non-voltage C-contact capacity 240 VAC 1 A resistance load)
Input (detector)	Detector signal input (analog 4-20 mA, input resistance approx. 100 Ω) Self-checking input
Operating Temperature	-20 to +50°C Humidity: 95%RH Max. (Not exposed to direct sunlight)
Major Material	Polycarbonate
Dimensions	Approx. 162 (H) x 240 (W) x 75 (D) mm
Degree of Protection	IP65 (jetproof type)
Option	Hood kit (TP-FK2), Pole stanchion (PS-1)

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



*Turbidity Checker*

# Turbidity-monitoring Revolution

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



Turbidity Checker:  
**TC-100/TC-500/TC-3000**

Transmitter:  
**SC-T3**

**OPTEX CO., LTD.**

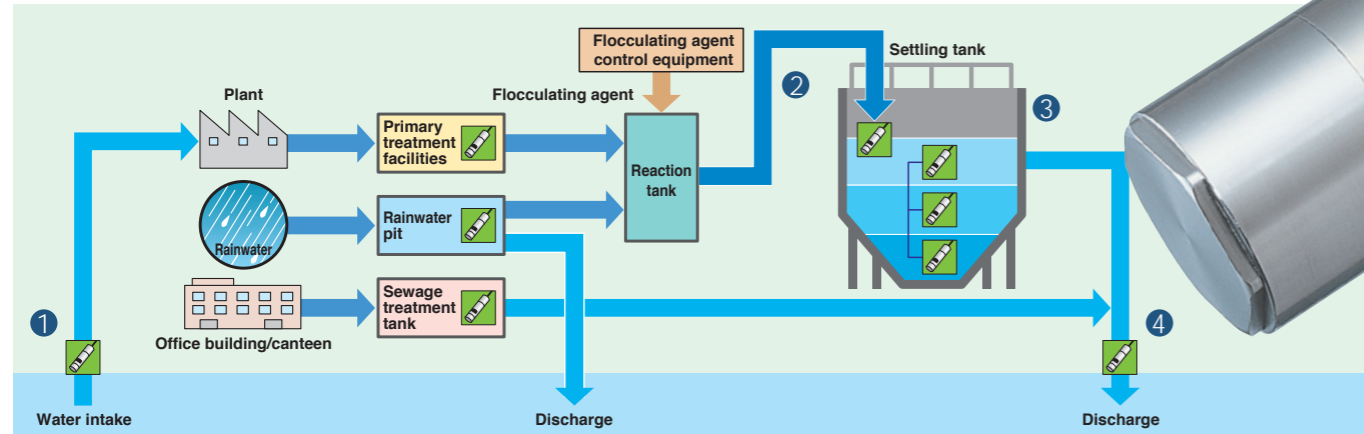
5-8-12 Ogoto Otsu Shiga 520-0101 Japan  
Tel. +81-77-579-8680 Fax. +81-77-579-8199  
www.optex.co.jp/e/

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76030-03-15747-1908

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Make the turbidity check easier and with lower cost. In response to such as requests; every necessary function is in a compact body.



**1 Monitoring of the plant intake water**

Monitoring the turbidity of intake water makes it possible to prevent any troubles that may be caused by sudden turbidity change.

**2 Controlling the flocculating agent**

Grasping the discharged water concentration with accuracy makes it possible to supply the appropriate amount of agents and obtain stable water quality.

**3 Monitoring the sludge-liquid level**

Installing the checker in the settling tank enables the monitoring the sludge-liquid level. Installing the checkers at two or three different depths enhances the sludge-liquid level check at the surface, allowing the sludge draining control.

**4 Monitoring the final discharged water**

Final monitoring of the processed water to be discharged is also available.

# MAIN ADVANTAGES

## Three innovative features

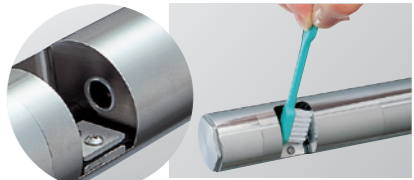
**1 Built-in wiping cleaning system certainly keeps lenses clean.**

Check and clean the window surface once every month.



**2 "Easy to clean" scratch-proof sapphire glass applies to the optical windows.**

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



Full size  
Turbidity checker  
**TC-100**  
**TC-500**  
**TC-3000**

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

The compact design makes it possible to install any places.

### Other features

- **Continuous measurements can be achieved by installing only one checker**  
Built-in analog output function covering 4 to 20mA is incorporated, which makes it possible to transmit data to various equipments according to your applications.
- **Sufficient line of products**  
Various 3 types with the measurement ranges of, 0-100 FTU, 0-500 FTU and 0-3,000 FTU are available. Selectable to suit for your own applications.

## The Transmitter is also available to use in combination with the turbidity checker.

### Turbidity checker transmitter **SC-T3**



As well as the turbidity indication, this Transmitter can indicate signal output response time, alarm level setting, and so on. You can control the turbidity utilizing its functions fully.

Power supply	100-240 VAC ±10% 50/60 Hz
Signal output	○
Alarm output	○
Degree of protection	Jet-proof type (IP65)