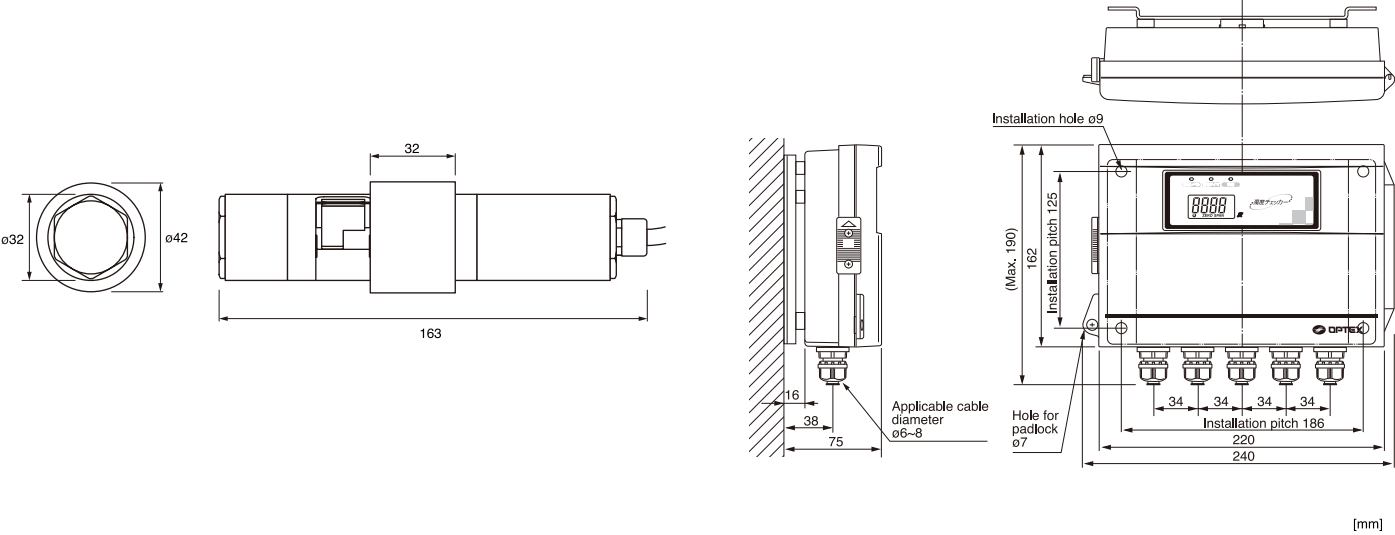


■ Dimensions

TC-100/500/3000

SC-T3



■ Specifications

Model No.	TC-100	TC-500	TC-3000
Measuring range	0-100 (FTU)	0-500 (FTU)	0-3000 (FTU)
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 FTU 20mA: 100 FTU (TC-100), 500 FTU (TC-500), 3000 FTU (TC-3000) Self-checking output: open collector (12VDC 20mA Max.) calibration signal input		
Input	Both sided swing wiper cleaning system		
Cleaning system	Clean once immediately after power-on, and subsequently clean once every 30 minutes		
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	ø32x163mm (excluding horizontal hanging attachment)		
Weight	approx. 930g		
Degree of Protection	IP 68, maximam depth of 2 meters (underwater type)		
Detector cable length	10m		
Option	Transmitter (SC-T3), Mounting attachment (TA-1), Maintenance kit (TC-MK)		

Model No.	SC-T3
Power Supply	AC100~240V±10% 50/60Hz
Voltage Draw	At regular operation: 8VA (Max.) At cleaning operation: 16VA (Max.) (including analog signal input/output 20mA)
Display Resolution	TC-100: 0.1 TC-500: 1 TC-3000: 5
Output	Calibration output Power supply for detector (12 VDC) Analog (4-20mA) signal output: resistance load of 300Ω Max. Self-checking output (non-voltage C-contact capacity 240 VAC, 1A resistance load) Alarm output (non-voltage C-contact capacity 240VAC 1A resistance load)
Input (detector)	Detector signal input (analog 4-20mA, input resistance approx.100Ω)Self-checking input
Operating Temperature	-20~+50°C Humidity: 95%Rh Max. (Not exposed to direct sunlight)
Major Material	Polycarbonate
Dimensions	HxWxD= approx. 162X240X75 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

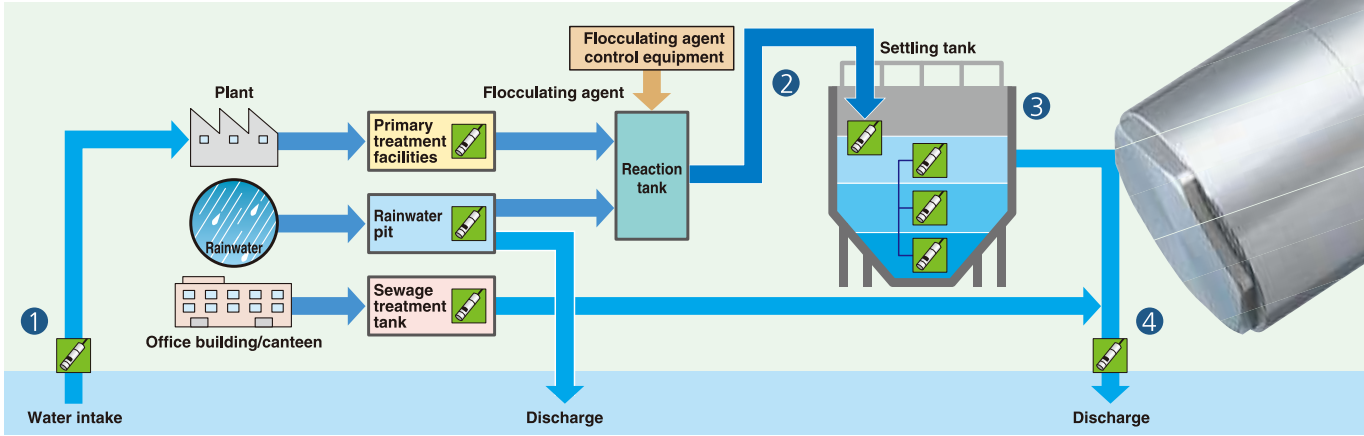
Turbidity-monitoring Revolution
Easy-to-use compact model has been achieved with well-developed functions.

Turbidity Checker:
TC-100/TC-500/TC-3000
Transmitter:
SC-T3

OPTEX CO., LTD.

Measurement of Temperature and Liquid Dept.
5-8-12, Ogoto, Otsu, Shiga, 520-0101 Japan
Tel.+81-77-579-8680 Fax.+81-77-579-8199
Email env@optex.co.jp
URL <http://www.optex.co.jp/env/eng/>

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.

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 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.

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	AC100~240V±10% 50/60Hz
Signal output	○
Alarm output	○
Degree of protection	Jet-proof type (IP65)