

# SS / Turbidity Monitor



## Detector

TSSD-20(W) ( with wiper )  
TSSD-20 ( without wiper )

※Picture shows flow type measuring system with defoaming tank

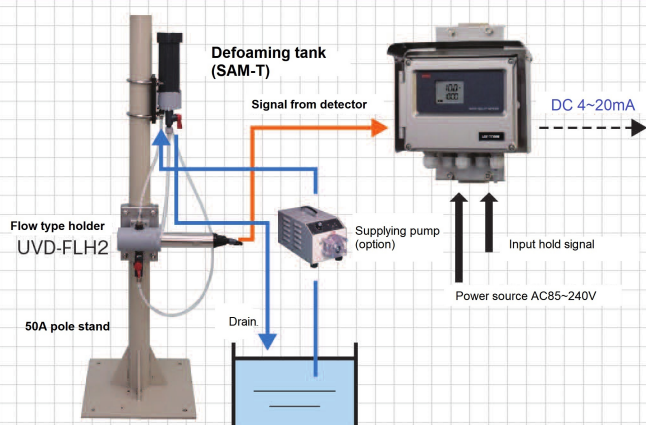


# TSS-700W-H

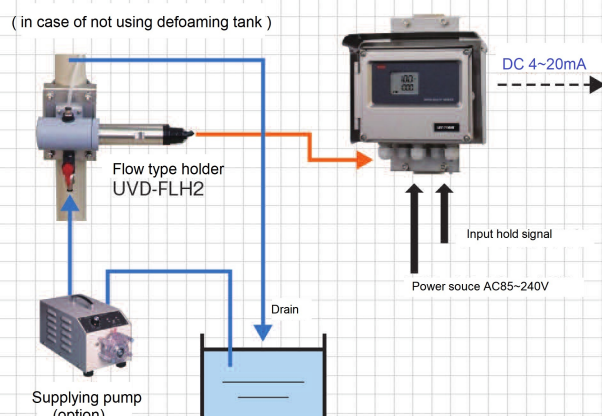
## Usage

Measurement of sewage, plant drainage,  
septic tank drainage

### A Flow type measuring system ①



### B Flow type measuring system ②





# Conversion setting function between turbidity and SS

## SS/Turbidity Monitor

## TSS-700W-H

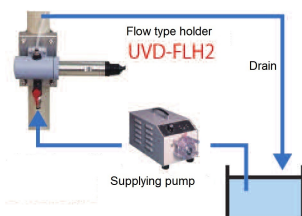
### Flow type measuring system①

#### With defoaming tank



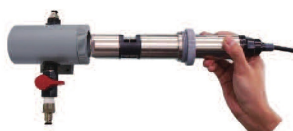
### Flow type measuring system②

Without using defoaming tank, but using supplying pump, etc.



### Removal and maintenance

Easy maintenance by removing detector from flow type holder.



Flow type holder model: UVD-FLH2

### Detector with cleaning wiper

Stains and foam stick to optical window are automatically cleaned by wiper



A : TSSD-20W (with wiper)  
B : TSSD-20 (without wiper)

### Checking filter is attached

Convenient to maintain detector and converter



### Immersion type detector

Install to detector immersion holder (UVD-LH) horizontally like a picture



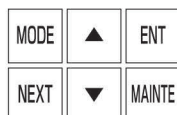
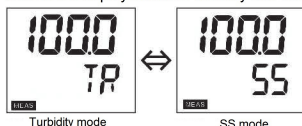
Recommend to install indoor or avoid direct sunshine.

### Conversion setting function between turbidity and SS

In case fixed correlation between turbidity and SS exists, convert SS mode by setting correlation formula ( $y = a+bx$ ) to device,

turbidity is measured at turbidity mode by converting SS density.

Converted display between turbidity and SS



Setting is operated by moving ▲ and ▼ key

### Converter

Product name	Turbidity monitor
Model	TSS-700W-H
Display	LCD 4 digits
Measuring range	Turbidity : 0~1000 degree (FTU or mg/ℓ) SS : 0~1000 mg/ℓ(converted SS value) ※ In case correlation between turbidity and SS is not 1 : 1, measuring range of SS changes
Resolution	1 degree (101~1000 degree) / 0.1 degree (under 100 degree)
Accuracy	within ±2% (F.S)
Transmitted output	4~20 mA DC, isolation type 3 range manual operation 0~1000 / 0~500 / 0~100 degree (or mg/ℓ)
Contact point output	Non voltage contact point a, high and low
Hold function	① at the time of operating MAINT switch ② at the time of inputting cleaner operating signal ③ at the time of inputting maintenance point signal from outside
Additional item	Cleaner drive / various setting item / cleaning output circuit
SS converting function	Conversion factor ( $y=a+bx$ )( $x$ =turbidity, $y$ =SS) is possible to set
Power source & voltage	AC85~240V 50/60Hz
Dimensions & weight	244×196×105 mm & Aprox 2.5kg

### Detector & holder

theory	Near infrared transmitted light measuring system
Detector Model (instruct selection)	A : TSSD-20W (with wiper) B : TSSD-20 (without wiper)
Measuring system (instruct selection)	A. Standard flow type measuring system ① Defoaming tank + flow type holder ① + turbidity detector B. Flow type measuring system ② Flow type holder ② (with pressure gauge & adjusting valve) + turbidity detector + decompression valve C. Detector immersion type measuring system Immersion holder + detector (supporting pipe or hanging chain is sold separately)
Cleaning device (instruct selection)	Swing type automatically cleaning wiper Cleaning cycle : once / 1 hour (able to set 30 min~12 hrs) Number of cleaning : once (able to set 1~5)
Detector cable	6m standard
Liquid junction	SUS-316, quartz glass, FKM
Sample condition	0~40°C, no existence with solvent, strong oxide, hydrofluoric acid (recommend to use defoaming tank if foam effects.)

Standard component (instruct selection)	A. Flow type measuring system ① Converter (TSS-700W-H), turbidity detector, defoaming calibration tank (SAM-T), calibration container, flow type holder①(UVD-FLH2), standard checking filter, PP tube (φ6 × 4 : 4m)
	B. Flow type measuring system ② Converter (TSS-700W-H), turbidity detector, flow type holder②(UVD-FLH2), checking filter, calibration container, PP tube (φ6 × 4 : 4m)
	C. Detector immersion type measuring system Converter (TSS-700W-H), turbidity detector, immersion holder (UVD-LH), checking filter, calibration container
Optional accessories	Standard turbidity solution (250mL), pole stand, wiper rubber for replacement

※the rights reserved for changing the specifications for improvement

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