

Turbidity Monitor for Tap water



TSS-700W-L

High sensitive transmitted light measuring system,

Detector

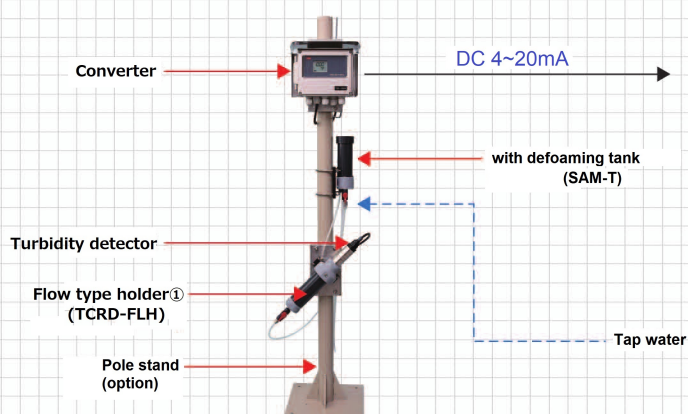
- TSSD-60W(with wiper)
- TSSD-60(without wiper)

Picture shows flow type measuring system with defoaming tank

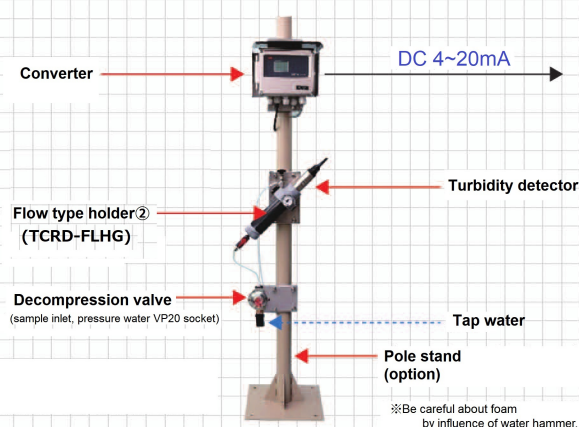
※Picture of holder shows TCRD-FLH

● Example of measuring system

A Flow type measuring system 1



B Flow type measuring system 2



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Flow type measuring system ①	Flow type measuring system ②
<p>with defoaming tank</p>	
Example : Flow type system ① <p>with defoaming tank</p> <p>TCRD-FLH</p> <p>Maintenance is easy</p> <p>Prevent influence of foam and water hammer</p>	Example : Flow type system ② <p>Sample is introduced through decompression valve into flow type measuring tank → controls pressure and flow rate with needle valve → and discharged. Defoaming tank is not used.</p> <p>TCRD-FLHG</p>
Cleaning wiper attached <p>Stains and foam stick to optical window are automatically cleaned by wiper</p> <p>TSSD-60W</p> <p>A : TSSD-60W (with wiper) B : TSSD-60 (without wiper)</p>	Flow type measuring system ② <p>With pressure gauge and flow rate adjusting valve</p>
Maintenance <p>Possible to maintain detector without using standard solution</p>	<p>Easy maintenance and removable of detector</p> <p>Flow type holder TCRD-FLHG</p>

Converter

Model	TSS-700W-L
Display	LCD 4 digits
Measuring range	0 ~ 50 degree Absorbance : 0~2 Abs
Resolution	Turbidity: 0.1 degree (11 ~ 50 degree) / 0.01 (under 11 degree) Absorbance: 0.001 Abs
Accuracy	Within ±2% (F.S)
Transmitted output	4~20mA DC, isolation type 3 range manual : 0~50 / 0~10 / 0~5 degree (turbidity) 3 range manual : 0~2 / 0~1 / 0~0.5 Abs
Contact point output	Non voltage a contact point, high and low
Hold function	① at the time of operating MAINT switch ② at the time of inputting cleaning signal ③ at the time of inputting maintenance signal
Additional item	Cleaning drive, setting of various item, cleaning output
Installation	-5 ~ 45°C (indoor or avoid direct sunshine)
Structure	Dust-proofed, drip-proofed (equivalent of IP65)
Material	Polycarbonate (metallic paint)
Power source	AC85~240V 50/60Hz
Dimension & weight	244×196×105(with hood), weight : approx. 2.5kg with fixing board

Detector & holder

Measuring theory	Near infrared transmitted light system
Detector model (instruct selection)	A. TSSD-60W (with wiper) B. TSSD-60 (without wiper)
Measuring system (instruct selection)	A. Standard flow type system ① B. Flow type system ②
Cleaning device (instruct selection)	Swing type automatic wiper cleaning Cleaning cycle : once/1 hr. (able to set every 30 minutes and 12 hrs.) Number of cleaning : once (able to set 1 ~ 5)
Detector cable	Coverd with PVC, 6m standard
Liquid junction	SUS-316, quartz glass, FKM, PPS, PVC
Installation	50A pole stand or fix on the wall
Sample condition	0~40°C, no existence of solvent, strong oxide, hydrofluoric acid (in case of influence by foaming, recommend to use defoaming tank)

Standard construction (instruct selection)	A : Flow type measuring system ① Converter (TSS-700W-L), turbidity detector (instruct model), defoaming tank (SAM-T), flow type holder ① (TCRD-FLH), standard checking filter, calibration container, PP tube (φ6×4 : 4m)
	B : Flow type measuring system ② Converter(TSS-700W-L), turbidity detector (instruct model), decompression valve, flow type holder ② (TCRD-FLHG), standard checking filter, calibration container, PP tube (φ6×4 : 4m) (in case of influence by foam and water hammer, use of defoaming tank is recommended)
Optional accessories	Turbidity standard solution (250mL), pole stand, wiper rubber for replacement, Sun-shade cover

Plenty of use

Turbidity measurement of tap water, simplified tap water system, water tank in the building, swimming pool, river water, plant discharge, etc.

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