

**Usage**

Discharged water from  
sewer treatment plant,  
Discharged water from  
joint wastewater  
treatment tank,  
Plant drainage, etc.

# Transparency Monitor with wiper cleaning unit

Stains and foams of the optical  
window is automatically cleaned  
by wiper !

Less influenced by outside light



# TP-700W Transparency Monitor

Measuring range : **2 ~ 100cm**

# Transparency Monitor

# TP-700W

## with swing type wiper cleaning unit

### Under water measurement

Measurement by hanging detector in parallel state.  
Foams and SS are not easily sticking to optical window.



### Calibration filter (Secondary standard)

Possible to check detector without using standard solution

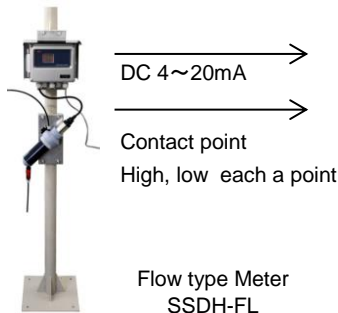


### Sapphire glass is used to optical window

Sapphire glass is highly tolerant and hard to be damaged.

### Flow type measurement (by your instruction)

Possible to measure without influence of the outside light



### Specifications

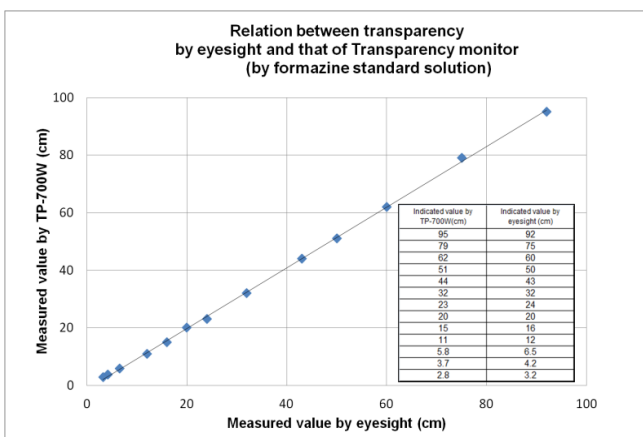
#### ◇Meter

Model	TP-700W
Product name	Transparency sensor (transparency monitor)
Measuring object	Plant drainage, septic tank drainage, sewerage, drainage from human waste treatment plant, cleaned water, etc.
Measuring wave length	Near infrared light (880nm)
Display	LCD 3 digits (with back light)
Measuring range	2.0~100cm
Minimum resolution	0.1cm
Accuracy	Within±2% (FS)
Alarm contact point	High, low each a point (non voltage) within AC200V 1A
Hold function	Transmission output and alarm point are held by below ① or ②: ①at the time of key operation ②at the time of maintenance or inputting non voltage contact point from outside such as cleaning unit, etc.
Power voltage	AC85~240V 50/60Hz
Consuming electricity	Approx. 50VA or less at cleaning, usually 20VA or less
Ambient condition	Temperature - 5~45°C. Humidity 85% RH or less
Converter	Water-jets proof type (equivalent of IP65)
Material	Polycarbonate (with metallic paint)
Calibration	1 or 2 points
Installation	50A pole fixing, or fixing on the wall
Wire outlet	5 Cable grounds (cable diameter φ6~10) Possible to connect wire removing cable grounds (G1/2)
Standard components	Monitor, turbidity detector with wiper, Instruction Manual, Written guarantee, Calibration filter (secondary standard)
Optional accessories	①Fixing device for hanging for underwater measurement : HM-40 parallel fixing ②Flow type measuring tank, pole stand fixing : ③Pole stand ④Wiper set for replacement ⑤Calibration solution (first standard)

#### ◇Detector

Model	TSSD-60W
Product name	Transparency sensor (Transparency detector with wiper cleaning unit)
Optical path length	60mm
Measuring theory	Condensing lens system, near infrared transmission light system
Liquid junction	Sapphire glass, PPS, SUS-316, FKM
Cleaning method	Cleaning both sides by swing type wiper
Cleaning cycle	10 minutes ~ 25 hrs.
Number of cleaning	1 ~ 5 times
Hold signal	Non voltage point signal is output during cleaning. Transmission output and contact point output of the converter are held.
Cable length	6m standard

© The rights reserved for changing the specifications for improvement.



**Kasahara**

TEL: 0480-38-9151(代) FAX: 0480-38-9157

email : krk@krkjpn.co.jp

URL https://www.krkjpn.co.jp

KASAHARA CHEMICAL INSTRUMENTS CORP.

2-133-8 Sakurada, Kuki-City, Saitama, Japan 〒340-0203

Printed in Japan