

# 22 SS/TURBIDITY METER SSTR-5Z

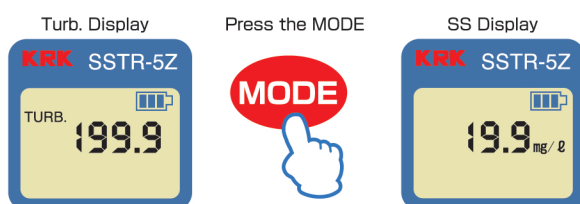
## Near-Infrared 90° Scatter Light Method SS/Turbidity Sensor



It detect sensitive SS with receiving optics of max. area of more than 200mm<sup>2</sup>. It guarantees the stable Measurement with Near-Infrared LED and Filter of Visible Light, which is strong against Noise, and not influenced by Outer Light or Colority

### Shift Between SS Density and Turbidity Measurement

Optionally measure SS (suspended Solid) and turbidity.



There is the correlation between SS (suspended solid) among effluent and Scatter Light Turbidity. We found the correlation factor (y) between SS and Scatter Light Turbidity, which is  $y = a + bx$  and by setting this factor, Turbidity can be calculated as SS Density, therefore, SS by SS mode and Density by Density mode can be measured sensitively.

### Zero-calibration is easy with Simple Zero-Calibration Board (Standard)

By using secondary Zero Standard, Simple Zero-Calibration Board, Zero-Calibration Water is not necessary. (for the first Zero Standard, Pure Water is used)



Calibration Board detached



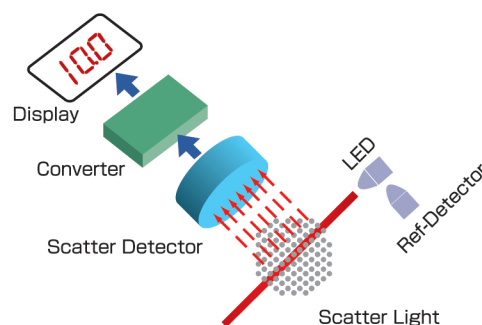
Zero-Calibrated (Calibration Board is set)

### With Calculation System of correlation factor between SS and Turbidity, $y=a+bx$

Correlation factor between SS and Turbidity of Sample obtained by manual analysis is capable of setting by operating Mode key and  $\blacktriangle$   $\blacktriangledown$  key.

### Possible to have One or Two Point Calibration with SS Density value of Sample Water

Possible to have Span Calibration with SS Density Value of Sample Water after Manual Analysis.



### Specifications

#### Meter

Product Name/Model	SS/Turbidity Meter SSTR-5Z
Measuring Range	Turb. : 0~500 NTU(STD.) SS : 0~500mg/ℓ (Calculation Value)
Resolution	0.1/0~100 (NTU or SS, mg/ℓ) 1/100~500 (NTU or SS, mg/ℓ)
Accuracy	Within $\pm 0.2$ of FS (at Constant Condition)
SS Conversion	Capable of setting $y=a+bx$ ( $x$ =Turb. $y$ =SS)
Zero Calibration	1st Std : Pure Water 2st Std : Simplified ZERO Calibration Container
Power Supply	Alkaline Battery LR03×3 (DC4.5V) Auto Power off after 30 Minutes
Standard Components	Turbidity Meter, Detector, Simplified ZERO calibration container, Strap, Vinyl cover, Carrying case,
Optional Accessories	Turbidity standard solution (250mℓ)

#### Detector

Model	TRD-120Z
Measuring Principle	Near-infrared, 90° Scatter Light Method
Material	PVC, Cristal Glass, SUS-304
Cable	6m Standard
Weight	Approx : 500g
Option	Turbidity Standard Solution : 250mℓ Calibrating & Measuring Container