

Turb

8

90° SCATTER LIGHT TURBIDITY METER **TR-5Z**

(Range : 0~200 NTU)

Probe Type, Near-Infrared 90° Scatter Light System



◆TR-5Z Linearity

◆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)



Zero-Calibration container detached



Zero-Calibrated (Calibration Board is set)

◆Specifications

Product Name / Model	Probe Type, Turbidity Meter TR-5Z
Measuring Method	Near-Infrared 90° Scatter Light System
Measuring Range	0~200 NTU (max.220 NTU display)
Measuring Unit (Select)	①Formazine Turbidity (NTU) STD. ② Kaolin Turbidity (mg/ℓ)
Resolution	0.01 / 0~20 NTU 0.1 / 21~220 NTU
Accuracy	Within ±0.2 NTU (Under 20 NTU)
Calibration	Zero Calibration
Self Diagnosis	Battery check, S ERR, CAL ERR, Scale over.
Power Supply	Alkaline Battery LR03×3 (DC4.5V) Auto Power off after 30 Minutes
Dimensions	Meter : Approx 75(W)×180(D)×38(H)mm Detector : Approx φ40×248(L)mm
Weight	Meter : Approx 300g, Detector : Approx 500g
Cable Length	6m standard
Standard Components	Meter, Detector, Measuring container, Vinyl cover Zero calibration container, Carrying case.
Optional Accessories	Turbidity Standard Solution (250mℓ)

Auto Switch of min. Indication

Turbidity of less than 20 NTU indicates 0.01 (display is shifted automatically)



SS/Turb

9

SS/TURBIDITY METER **SSTR-5Z**

(Range : 0~500 NTU / mg/ℓ)

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



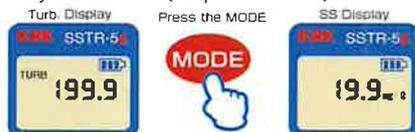
◆Specifications

Meter	
Product Name / Model	SS / Turbidity Meter SSTR-5Z
Measuring Range	Turb. : 0~500 NTU 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 ±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 2nd 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, Vinyl cover, Carrying case,
Optional Accessories	Turbidity standard solution (250mℓ)

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

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.

◆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.