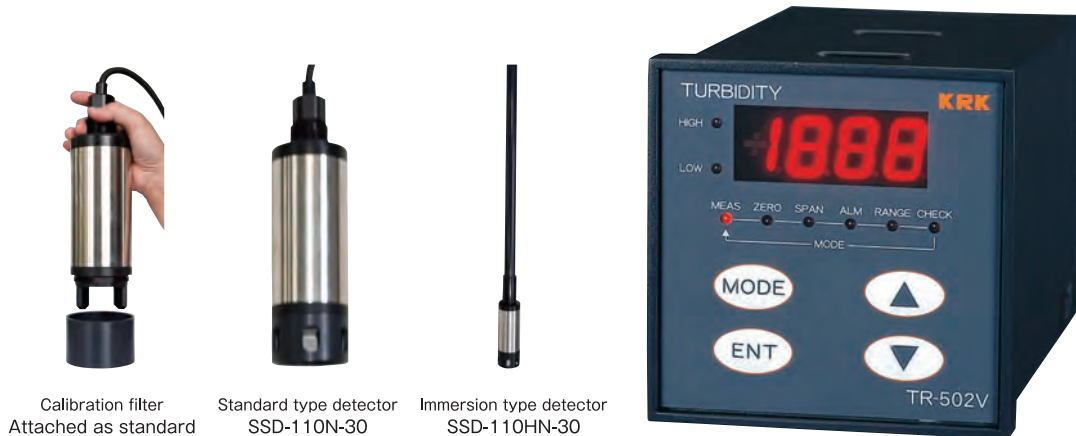


# Turbidity

## 20 TR-502V

## Turbidity Monitor

Transmitted Light Method, Cell Length 30mm



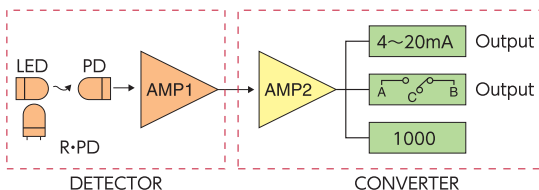
Calibration filter  
Attached as standard

Standard type detector  
SSD-110N-30

Immersion type detector  
SSD-110HN-30



### Measuring Diagram



### Features

- Measurement of near-infrared transmission light, sensitive turbidity detector  
Seldom influenced by outside light and color
- Wide range of density from low to high density  
Measuring range of 0~2000 resolution of 1
- Automatic correction of LED light source luminance with reference light  
Automatic correction of measuring errors by LED deterioration and temperature change
- No standard solution at span calibration with calibration filters  
Using the second standard simplified calibration device, standard solution is not necessary  
The first standard needs standard solution

### Measuring theory

Feeble signal in proportion to SS/ turbidity density from the near-infrared detector, which is composed of near-infrared LED, light receiving element and special optical window and pre-amplifier is calculated and amplified and digitally displayed.

### Meter

Product Name	Near-infrared type Turbidity Monitor
Model	TR-502V
Measuring Method	Near-infrared pulse transmission light System
Display	LED Red 3-1/2 figures
Measuring Range	0~2000 (mg/ℓ or FTU)
Minimum Resolution	1mg/ℓ (or FTU)
Accuracy	Within ±5% (Full Scale)
Transmittal Output	DC 4 ~ 20mA (isolated type) 5 range (Manual change) 0~100 / 0~200 / 0~500 / 0~1000 / 0~2000 mg/ℓ (or FTU)
Alarm Point	Low and High, each a, b point of contact (no voltage)
Hold output	Transmission output and point output by input of no voltage point signal from outside at maintenance time
Power Supply	AC 85 ~ 240V free input 50 / 60 Hz
Outer dimensions	96(W)×96(H)×163(D) mm
Std. component	Meter, Detector, panel fixer, Calibration containers, Instruction manual, written guarantee

### Near-infrared pulse transmission light system Detector

Model	Standard type : SSD-110N-30 Immersion type : SSD-110HN-30
Material	PVC, SUS-304, hard glass, POM
Cable	6 m standard

### Usage

- Measurement of turbid-treated water at civil engineering site
- SS/Turbidity measurement of sewage, waste water from the farmers' villages