

Turbidity

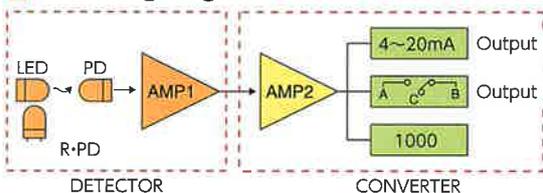
20 TR-502V

Turbidity Monitor

Transmitted Light Method, Cell Length 30mm



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	1 mg/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