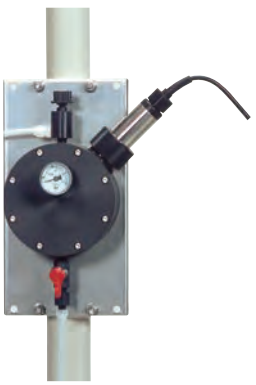
22 TR-502 Turbidity Monitor for Drinking Water (Transmitted Light Method)

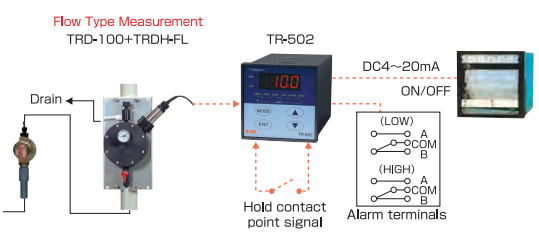
Continuous and sensitive turbidity measurement of water purification plant, simple drinking water system, swimming pool, etc.

TRD-100



TRD-100+TRDH-FL

Measuring Diagram



Measuring theory

Output signal in proportion to turbidity from the detector which is composed of LED light source projector, light receiving element and pre-amplifier is calculated and amplified by the converter and digitally displayed and measured.
This TR-502 of transmitted light measuring method can give you sensitive and continuous density measurement of water purification plant, simple drinking water system, swimming pool, etc.

Features

- Continuous turbidity measurement of 0.1~100.0 Degree (FTU)
- Manual selection 5-range transmission output (DC 4 ~20mA)
- Automatic correction of LED luminance with reference light
- Either polystyrene or formazine standard solution is available

Meter

Measuring Method	Transparency light System
Display	LED Red
Measuring Range	0.0~100.0 (Degree or FTU)
Accuracy	Within ±0.3 degree (Full Scale 10 degree) (or Within ±3% Full Scale)
Transmittal Output	DC 4 ~ 20mA (isolated type) 5 range (Manual change) 0~5 / 0~10 / 0~20 / 0~50 / 0~100 degree(or FTU)
Span calibration	Polystyrene or Kaolin or Formazine(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, pressure control valve, In-line type holder, Instruction manual, written guarantee

Detector

Measuring Method	Transparency light System
Model	TRD-100+TRDH-FL (Detector:TRD-100 Flow Type holder:TRDH-FL)
Material	PVC, SUS-304, quartz glass, POM
Cable	5 m standard

Usage

Water purification plant, simplified drinking water system, water tank, industrial water, waste water from the plants, water for food industry, swimming pool, etc.