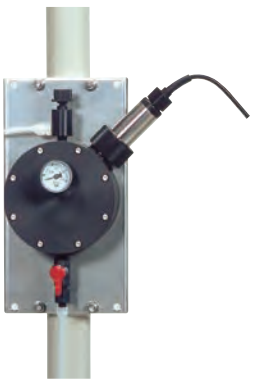
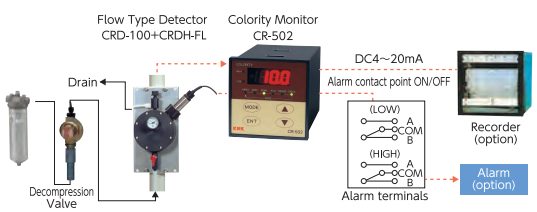
23 CR-502 Colority Monitor for Drinking Water (Transmitted Light Method)

Standard Detector
CRD-100



Flow type Detector
CRD-100+CRDH-FL

Measuring Diagram



Outline

Automatic continuous colority measurement of city water supply, simplified drinking water system, water tank for the buildings, bath tub water, swimming pool water, waste water from the plants, laboratory, recycled waste water supply, etc.

Measuring theory

Signals in proportion to colority from the detector which is composed of LED light source of 370nm wave length, light receiving element, is calculated, treated and measured.

Features

- Automatic continuous measurement of colority of city water for 24 hours
- Using transmission measuring system, accurate colority measurement by solving the cause of measuring error by eye-sight.
- LED light source by pulse-modulated light system, and seldom influenced by the outer light

Meter

Measuring Method	Transparency Light System
Display	LED Red 3 figures
Measuring Range	0.0~50.0 (Degree)
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) 0~2 / 0~5 / 0~10 / 0~20 / 0~50 degree
Span calibration	by Color standard solution
Measurement condition	Temperature:Within 0~40℃ Pressure :About 0.1~0.5MPa (at the pressure control valve entrance) Discharge flow:About than 0.05ℓ/min ※No Coexistence (Bubble, Fluoride, Organic solvent)
Power Supply	AC 85 ~ 240V free input 50 /60 Hz
Alarm Point	Low and High, each a, b point of contact
Hold output	Transmission output and point output by input of no voltage point signal from outside at maintenance time
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 (370nm)
Model	CRD-100+CRDH-FL (Detector:CRD-100 (Cable length 5m) Flow Type holder:CRDH-FL)