

# 17 TURBIDITY AND COLORITY SENSOR **TCR-5Z**

**One Single Instrument Measures Turbidity & Colority at the Same Time**



Use the exclusive Container at the Time of Measurement.

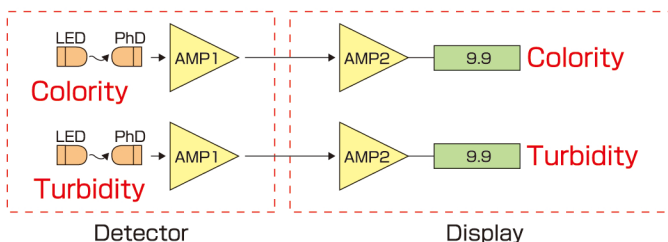
### Measuring Outline

This TCR-5Z is the Probe Type Detector which is separated from Meter, and capable of measuring and indicating the various kind of Water Turbidity and Colority at the same Time. Also by shifting Measuring Mode, possible to measure Turbidity and Colority by photometric Absorbance (Abs) Sensor Method, and usable as official Measuring Method.

Turbidity and Colority of less than 10 degrees can be measured by shifting Measuring Mode to min. Resolution 0.1 ⇒ 0.01.

Also, the Double-Beam Optical Detector is least influenced by Turbidity at Colority Measurement, which is high sensitive Turbidity and Colority Sensor.

### Measuring System Drawing



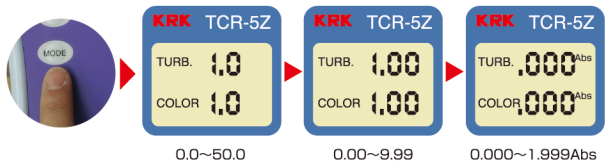
### Probe Type, Double Beam Type Turbidity & Colority Detector

Measurement of both Turbidity/Colority (degree) and photometric Absorbance (Abs) is OK by shifting Mode

Measurement of Turbidity/Colority in the Range of 0.0~50.0 degrees, and Abs in the Range of 0.000~1.999 by shifting Mode.

### TCR-5Z Operation

By pressing the "Mode Key" the Display shifts from 0.1 to 0.01.



### Specifications

Product Name/Model	Turbidity / Colority Sensor TCR-5Z
Measuring Method	Double beam, Transparency light system
LCD Display	Upper : Turbidity display Lower : Colority display Auto-power-off after displayed 15 Seconds
Measuring Range	Turbidity / Colority : 0.0~50.0(PSL degree) Colority : 0.0 ~ 50.0 (Pt cobalt degree) ABS : 0.000 ~ 1.999 Abs
Resolution	MODE 1 : 0.1 Degree MODE 2 : 0.01 Degree (at under 10) (Press the MODE key Switch )
Self Diagnosis	Battery Check, S ERR, CAL ERR, Scale over, ETC.
Power supply	Alkaline Battery LR03×3 (DC4.5V)
Dimensions	Meter : 75(W)×38(H)×180(D)mm Detector : φ34×235(L)mm
Cable length	6m Standard (Optional : MAX 11m)
Standard Components	Meter, Detector, Measuring Container, Carrying Case, Strap, Vinyl Cover
Optional Accessories	Turbidity Standard Solution (250m ℓ) Colority Standard Solution (250m ℓ)