

# 15 TURBIDITY AND COLORITY SENSOR **TCR-30**

One Single Instrument measures Turbidity & Colority at the Same Time



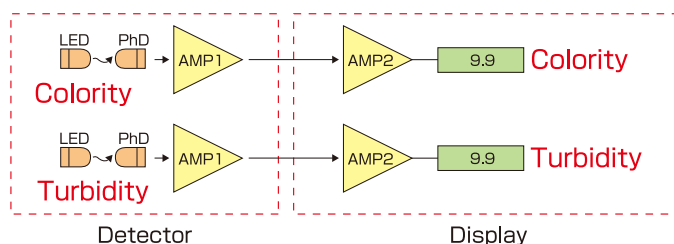
Use the exclusive container at the time of measurement.

### Measuring outline

This Sensor unifies Probe Type Detector with The Meter and capable of Measuring Turbidity and Colority within the range of 0~50 degrees at the same time with a Single Unit. Also, in case of less than 10 Degrees, Measurement is possible to shift the Measuring Mode to Min. indication of 0.1 ⇒ 0.01, and indicate Turbidity and Colority ⇒ Measure.

Also, the double-beam Optical Detector is least influenced by Turbidity at Colority Measurement. Portable Type of only 300 g, sensitive Turbidity/Colority Sensor, and convenient to use in the field.

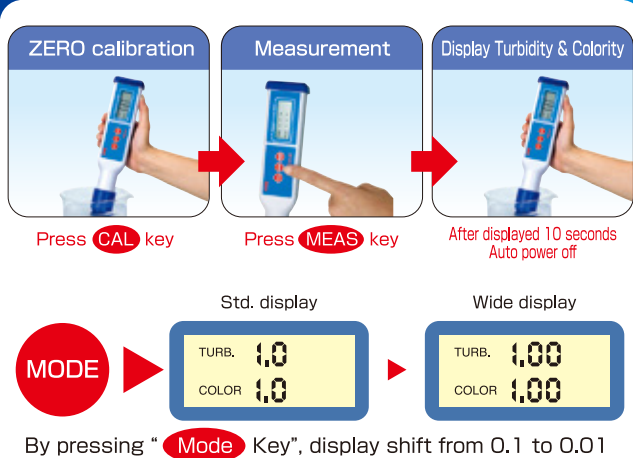
### Measuring System Drawing



### Colority can be measures without influenced by Turbidity

### Double-Beam Type Optical Turbidity & Colority Detector

#### TCR-30 : Measuring Operation



### Specifications

|                      |  |
|----------------------|--|
| Product Name/Model   | Turbidity / Colority sensor TCR-30   |
| Measuring Method     | Double beam, Transparency Light System   |
| LCD Display          | Upper : Turbidity Display<br>Lower : Colority Display<br>Auto-Power-off after displayed 10 Seconds                   |
| Measuring Range      | Turbidity : 0.0~50.0(Degree)<br>Colority : 0.0~50.0(Degree)  |
| Resolution           | MODE 1 : 0.1 Degree<br>MODE 2 : 0.01 Degree (at under 9.99)<br>(Press the MODE key Switch : 0.00 ⇒ 0.0 ⇒ 0.00 ⇒ ...) |
| Self diagnosis       | Battery Check, S ERR, CAL ERR,<br>Scale Over, ETC.   |
| Power Supply         | Alkaline Battery LR1×4 (DC6V)  |
| Dimensions           | 48(W)×38(D)×320(L)mm   |
| Weight               | Approx : 300g  |
| Standard Components  | TCR-30, Measuring Container, Carrying case   |
| Optional Accessories | Turbidity Standard Solution (250m ℓ)<br>Colority Standard Solution (250m ℓ)  |

### Use Applications

Water filtration Plant, Simple Water Supply System, Reservoir, Industrial water, plant effluent, Food Plant, Laboratory, Water Quality Test of River Water, etc.