

COLOR

DIGITAL COLOR SENSOR - CT600

Liquid Analysis

Measurement & Monitoring



DESCRIPTION

The CT600 Series Color Sensor adopts the principle of absorbance spectrophotometry and complies with the platinum-cobalt color standard. The sensor can be directly immersed into the measurement medium, requiring no sampling and pretreatment, no chemical reagents, no secondary pollution, to achieve in-situ color online monitoring, easy to install on site. Suitable for real-time monitoring of tap water, surface water and agricultural industries.

TECHNICAL FEATURES

Range	0 to 100 degree
Accuracy	±10% or ±1degree of the measured value (whichever is higher)
Repeatability	≤5%
Resolution	0.1 degree
Pressure Range	≤0.1Mpa
Measuring Temperature	0 to 45°C
Storage Temperature	-15 to 50°C

Electrical

Power Supply	AC: 85-500 V AC (50/60Hz); DC: 9-36 V DC
Communication	RS485 (Modbus)
Output	3-way 4-20mA

Dimension and Protection

Dimension	Diameter 34 mm, Length 237 mm
Weight	0.8 kg
Sensor Material	Body: SUS316L(normal), Titanium alloy (for seawater); Cable PUR
Protection	IP68/NEMA 6P
Signal Cable Length	Standard 10 meter (Maximum 100 meter)

FEATURES

- ✓ Adopts the principle of absorbance spectrophotometry
- ✓ Complies with the platinum-cobalt color standard
- ✓ Stable and good repeatability
- ✓ Built-in self-diagnosis function
- ✓ Strong anti-interference ability
- ✓ Self-cleaning function
- ✓ Fast response time
- ✓ Low maintenance cost

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