



Turbidity Sensor S-TUR031

It is developed based on a 90-degree scattering optical water quality analysis platform. With an integrated design, it adopts the ISO7027 standard method and a digital and intelligent sensor design concept, capable of automatically compensating for the effects of voltage fluctuations, device aging, and temperature changes on measured values. It is widely used in industries such as surface water and pollution source analysis.

▶ Feature

- ◉ Compact size, convenient for system integration;
- ◉ Simple structure, easy to clean and maintain;
- ◉ Inclined light window, not easy to adhere to air bubbles;
- ◉ Sealed structure, resistant to deep water or high pressure;
- ◉ IP68 protection, portable installation.

| Specifications | | | |
|------------------------|---|----------------------------------|--------------------------------------|
| Measurement Parameters | Turbidity, temperature | Measurement Method | 90-degree infrared scattering method |
| Range | Turbidity: (0~4000) NTU, Temperature: (0~60)°C | Accuracy | ≤±2% |
| Repeatability | ≤1% | Resolution | 0.01NTU |
| Response Time | ≤5s | Drift | ≤±3%F.S. |
| Temperature Range | (0~60)°C | IP Rating | IP68 |
| Contact Method | RS485(ModbusRTU) | Supply Voltage/Power Consumption | (12-24)VDC/<0.3W |
| Material | Titanium alloy/stainless steel, POM | Overall Dimensions | 127mm×φ28mm |