

TOTAL ORGANIC CARBON

DIGITAL SPECTROMETER TOC SENSOR - T900

Liquid Analysis

Measurement & Monitoring



DESCRIPTION

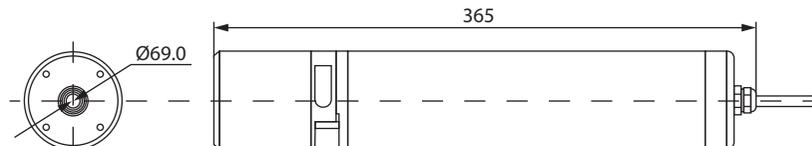
The T900 series digital spectrometer TOC (Total Organic Carbon) sensor uses the Spectral Absorption Coefficient (SAC 254 nm) to measure the content of soluble organic compound in the water. This method allows continuous monitoring without any reagents. The T900 is a direct immersion probe, completed with standard digital signal output, integrating and networking with other equipment without controller. This spectrometer method developed to measure trend of continuous reading TOC.

With rapid response, low power consumption, low maintenance cost, real-time online measurement, the T900 is suitable for wide range of application such as wastewater treatment plant (inlet, outlet), aquacultural, river and ocean surface water continuous monitoring.

FEATURES

- ✓ Digital sensor with RS485 signal output
- ✓ Spectral Absorption Coefficient (SAC 254 nm) method
- ✓ Direct and continuous monitoring
- ✓ No chemical reagents
- ✓ No secondary pollution
- ✓ Automatic cleaning function
- ✓ Fast response time
- ✓ Low maintenance cost

DIMENSION/DRAWING



I-SYSTEM MEASUREMENT
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01-2026 I-SYSTEM 513003

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TECHNICAL FEATURES

Operating Condition

Range Using KHP Calibration
0 to 800 mg/L TOC (2mm)
0 to 400 mg/L TOC (5mm)
0 to 35 mg/L TOC (50mm)

Measuring Temperature 0 to 45°C
Pressure Range ≤0.4Mpa

Sensor Performance

Accuracy ±5% (KHP Standard Solution)
Repeatability ±2% (KHP Standard Solution)
Resolution 0.01 mg/L

Electrical

Communication RS485 (Modbus)

Dimension and Protection

Dimension Diameter 69 mm, Length 365 mm
Weight 3.2 kg
Protection IP68/NEMA 6P
Sensor Material SUS316L (fresh water); Titanium allow (sea water)
Cable PUR
Signal Cable Length Standard 10 meter (Maximum 100 meter)

Storage Requirement

Storage Temperature -15 to 50°C

