

ONLINE CONDUCTIVITY/ TDS ANALYZER

Model TMC-102 + TSA 102

TSA 102 series of online conductivity Sensor for Cooling Water, in the interior of the Sensors achieve the automatic temperature compensation. With rapid response, low maintenance cost, real-time online measurement characters etc.



Features

- Range: 0 – 2000 mS/cm; TDS: 0-130000 ppm (mg/l).
- Can work stably for a long time
- Built in temperature sensor, range 0 – 150 °C.
- **High and low alarm:** set-up high and low alarm via relay output.
- **Waterproof and dust-proof:** good sealing instrument
- **Multi-screen display:** There are four kinds of sensors can connect to display, user-friendly display for the different requirements
- **Conductivity calibration:** provide slope calibration
- **Completed system ready to use.**



TECHNICAL SPECIFICATION

CONTROLLER

Housing box: ABS material; IP 67

Model: TMC-102

Display: Graphic LCD

Input sensor: max. 04 sensors

Relay output: 02 relays

Communication output: Modbus RTU

Analog output: 4-20 mA

Power supply: 220 VAC or 24 VDC



SENSOR

Model: TSA102

Parameter measurement: Conductivity; TDS; temperature

Measure range: Conductivity: 0~2000 mS/cm

TDS: 0-130000 ppm (mg/l)

Accuracy: Conductivity: $\pm 1\%$ FS; Temperature: $\pm 0.5^\circ\text{C}$

Resolution: Conductivity: $0.1\ \mu\text{S/cm}$; Temperature: 0.1°C

Response Time: Less than 60 second

Working environment: Temperature $0 \sim 150^\circ\text{C}$, Relative humidity $< 85\%$

Working pressure: Min. 1.2 bar ; Max. 2.5 bar

Dimension of transmitter: W280 x L130 x H190 mm

Dimension of sensor box: W80 x L70 x H250 mm



Made in Vietnam