



T6035

Online Conductivity Analyzer (TDS / Salinity)



The T6035 Industrial Online Conductivity Analyzer is a microprocessor-based water quality monitoring and control instrument. It is widely used across various industries including power plants, petrochemicals, metallurgy, electronics, mining, paper, semiconductors, pharmaceuticals, food and beverage, environmental water treatment and modern agriculture. It is suitable for monitoring softened water, raw water, steam condensate, distilled seawater and deionized water, providing continuous measurement and control of conductivity, resistivity, TDS, salinity and temperature values.

INSTRUMENT FEATURES

- Large colour LCD screen display
- Intelligent menu operation
- Data logging & trend curve display
- Manual or automatic temperature compensation
- Three sets of relay control switches
- High limit / low limit / hysteresis control
- Multiple output options: 4–20 mA & RS485
- Simultaneous on-screen display of measurement value, temperature and current output
- Password protection to prevent unauthorised operation

TECHNICAL PARAMETERS

1. Measuring Range (depending on electrode)

Conductivity	0 ~ 500 mS/cm
TDS	0 ~ 250 g/L
Salinity	0 ~ 700 PPT; 0 ~ 70 ‰; 0 ~ 700 g/L
Temperature	-10.0 ~ 150.0 °C

2. Resolution

Conductivity	0.01 μ S/cm; 0.01 mS/cm
TDS	0.01 mg/L; 0.01 g/L
Salinity	0.01 PPT; 0.1 ‰; 0.01 mg/L
Temperature	0.1 °C

3. Accuracy

Measurement	± 1 % F.S.
Temperature	± 0.3 °C

4. Stability

± 0.2 % F.S. / 24 h

5. Analog Outputs (2 channels)

0/4 ~ 20 mA (load resistor < 750 Ω)
20 ~ 4 mA (load resistor < 750 Ω)

6. Communication Output

RS485 MODBUS RTU

7. Relay Control Outputs (3 sets)

5 A 250 VAC / 5 A 30 VDC

8. Power Supply (optional)

85 ~ 265 VAC ± 10 %, 50/60 Hz, power ≤ 3 W
9 ~ 36 VDC, power ≤ 3 W

9. Dimensions

144 × 144 × 118 mm

10. Installation Method

Panel-mount, wall-mount, pipe-mount
Panel cutout: 137 × 137 mm

11. Protection Rating

IP65

12. Weight

0.8 kg

13. Operating Environment

Ambient temperature -10 ~ 60 °C
Relative humidity ≤ 90 % (non-condensing)

The instrument and sensor cable must be kept away from strong sources of electromagnetic interference such as variable-frequency drives, motors, contactors and welding equipment