



CIT-8800 Inductive Conductivity Concentration Online Controller

Overview

Application

- Widely used for strong electrolyte aqueous solution which has high salinity or strong acid and alkali;
- Widely used for multiphase fluid or low viscosity of beverage, wine and dairy industry;
- Analysis of metal processing, oil drilling, chemical processing, industrial coating and plating solution;
- Acid and alkali concentration analysis for electric power, chemical industry, petrochemical and thermal industry;
- Widely used for CIP cleaning, sewage measurement, seawater desalination, circulating cooling water and environmental test adjustment.

Measurement range: Conductivity: 500 μ S/cm ~ 2000mS/cm	
Concentration: 1.NaOH: (0 ~ 15)% or (25 ~ 50)%;	
2.HNO ₃ : (0 ~ 25)% or (36 ~ 82)%;	
3.User-defined concentration curve.	
TDS: 250ppm ~ 1000ppt	
Temp.: (0.0 ~ 120.0) °C	
Resolution: Conductivity: 0.01 μ S/cm	Concentration: 0.01%
TDS: 0.01ppm	Temp.: 0.1 °C
Accuracy: Conductivity: (0 ~ 1000) μ S/cm \pm 10 μ S/cm	
(1 ~ 2000)mS/cm \pm 1.0%	
TDS: 1.5 level	
Temp.: \pm 0.5 °C	
Temp compensation: Pt1000	
range: (0.0 ~ 120.0) °C	
Analog output: Double channels (4 ~ 20)mA,	
instrument/transmitter mode for selection	
Control output: Triple channels photo-electrical semiconductor relay	
Load capacity: AC/DC 30V, 50mA(max)	
Communication port: RS485, MODBUS	
Power supply: DC 24V \pm 15%	
Consumption: < 5.5W	
Working environment: Temp. (0 ~ 50) °C;	
Humidity \leq 85%RH (none condensation)	
Storage environment: Temp. (-20 ~ 60) °C;	
Humidity \leq 85%RH (none condensation)	
Protection level: IP65 (with back cover)	
Dimension: 96mm \times 96mm \times 94mm (H \times W \times D)	
Hole size: 91mm \times 91mm (H \times W)	
Installation: Panel mounted, fast installation	

