

Microprocessor Water Quality Monitor Conductivity / Resistivity

EC-410 / EC-430



Applications:

- RO System
- Boiler Feed Water
- Cooling Water
- Pure Water System
- Industrial Process
- Water Treatment

Features:

- 48 x 96 mm Microprocessor Water Quality Monitor & Controller
- Compatible with both conductivity and resistivity measurement
- Compatible with 2-Electrode or 4-Electrode sensors
- Automatic temperature compensation
- Compatible with Pt-1000 and NTC 30K temperature probe
- Linear and non-linear temperature coefficient
- Isolated current output DC 4~20mA
- Gradually continuous sample measurements average function to enhance stability
- EC-430 offers one relay contact output, one set point with programmable hysteresis function



Microprocessor Water Quality Monitor

EC-410 / EC-430

Specifications:

Model		EC-410	EC-430
Measuring Modes		Conductivity, Resistivity and Temperature	
Measuring Range	Conductivity	0.00 μ S/cm~200.0 mS/cm in 5 ranges	
	Resistivity	0.00~20.00M Ω ·cm	
	Temperature	-10~110.0°C	
Resolution	Conductivity	0.01 μ S/cm	
	Resistivity	0.01M Ω ·cm	
	Temperature	0.1°C	
Accuracy	Conductivity	\pm 1% (\pm 1 Digit)	
	Resistivity	\pm 1% (\pm 1 Digit)	
	Temperature	\pm 0.5°C	
Cell constant		0.01, 0.05, 0.1, 0.5, 10.00cm ⁻¹ fixed, freely selectable 0.008~19.99cm ⁻¹	
Temperature Compensation		Automatic with PT-1000 or NTC 30K or no compensation	
Temperature coefficient	Conductivity	Non-Linear Compensation Linear compensation from 0.00~40.00%	
	Resistivity	Non-Linear Compensation	
Display		LCD display	
Analog output		Isolated DC 4~20 mA corresponding to measurement, max load 500 Ω	
Setting	Contact	-	240 VAC, 0.5A max.
	Activate	-	Hi/Lo one relay output
Ambient temperature		0 ~ 50°C	
Storage temperature		-20 ~ 70°C	
Power Supply		100V~240VAC \pm 10%, 50/60Hz	
Installation		Panel mounting	
Dimensions		48 mm x 96mm x 110 mm (H x W x D), 1/8 DIN	
Cut off dimensions		44 mm x 92 mm (H x W)	
Weight		0.25 kg	

*The specification and appearance of the instrument are subject to change without notice.

Optional Accessories:

Cell:

- 2-Electrode cell
- 4-Electrode cell

Accessories:

- Specific Cable 5M, 10M, 20M, 30M
other length on request.
- 3/4" NPT bypass chamber
- 3/4" T-Connector



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