

# Microprocessor Water Quality Monitor Conductivity & Resistivity

## EC-410 & EC-430



### Application:

- RO System
- Cooling Water
- Industrial Processes
- Ultra Pure Water System
- Boiler Feed Water
- Water Treatment

### Features:

- 48 x 96 mm Microprocessor Water Quality Monitor & Controller.
- Compatible with 2- or 4- electrode Conductivity Cells.
- Compatible with Conductivity & Resistivity Measurement.
- Cell constant 0.01, 0.05, 0.7, 1.00, 10.0  $\text{cm}^{-1}$  fixed, freely selectable 0.001~19.99 $\text{cm}^{-1}$ .
- Compatible with Pt-1000 or NTC 30K $\Omega$  temperature probe.
- Automatic temperature compensation or no compensation selectable.
- Non-linear and linear temperature coefficient.
- Isolated current output DC 4~20 mA.
- EC-430 provides relay contact output, set point and hysteresis programs.



# Microprocessor Water Quality Monitor

## EC-410 & EC-430

### Specifications

Model		EC-410	EC-430
Measuring modes		Conductivity , Resistivity and Temperature	
Measuring ranges	Conductivity	0.00 $\mu\text{s/cm}$ ~ 200.0 $\text{ms/cm}$ in 5 ranges	
	Resistivity	0.00 $\text{M}\Omega \cdot \text{cm}$ ~ 20.00 $\text{M}\Omega \cdot \text{cm}$	
	Temp.	0 ~ 100°C	
Resolution	Conductivity	0.01 $\mu\text{s/cm}$	
	Resistivity	0.01 $\text{M}\Omega \cdot \text{cm}$	
	Temp.	0.1 °C	
Accuracy	Conductivity	$\pm 1\% \pm 1$ digit	
	Resistivity	$\pm 1\% \pm 1$ digit	
	Temp.	$\pm 0.5$ °C	
Cell Constant		0.01 , 0.05 , 0.7 , 1.00 , 10.0 $\text{cm}^{-1}$ fixed, freely selectable 0.001 ~ 19.99 $\text{cm}^{-1}$	
Temperature Compensation		Automatic with Pt-1000 / NTC 30K $\Omega$ or no compensation	
Temperature Coefficient		Linear compensation from 0.00% ~ 20.00% Non-linear compensation for natural water	
Amb. Temperature		0 ~ 50°C	
Display		LCD display	
Signal Output		Isolated current DC 4 ~ 20 mA, Max. load 500 $\Omega$	
Set Point	Contact	—	On/Off Relay output, 240VAC 0.5A max.
	Control	—	Hi / Lo Relay Output
Power		Switching Power 88 ~ 265VAC, 50/60 Hz	
Installation		Panel Mounting	
Dimensions		48 mm x 96 mm x 110 mm (HxWxD)	
Cut Out Dimensions		44 mm x 92 mm (HxW)	
Weight		0.25 Kg	

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

### Options:

#### Cell:

- 2-Electrode
- 4-Electrode

#### Accessories:

- Specific Cable 5M, 10M, 20M, 30M  
other length on required.
- Flow through Tees.



**SUNTEX INSTRUMENTS CO., LTD.**

Web site: [www.suntex.com.tw](http://www.suntex.com.tw) E-mail: [suntex@ms1.hinet.net](mailto:suntex@ms1.hinet.net)

13F, No. 31, Lane 169, Kang Ning St., Hsi-Chih City, Taipei County, Taiwan, R.O.C. 221  
Tel: 886-2-2695-9688 Fax: 886-2-2695-9693  
Taichung Branch: 886-4-2319-7996 Kaohsiung Branch: 886-7-334-4103