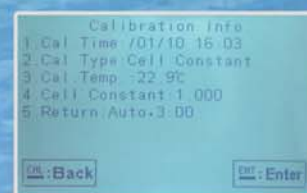
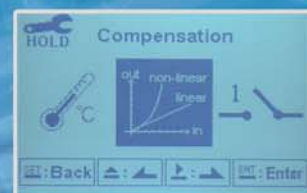


Intelligent Conductivity Transmitters

EC-4110 / EC-4110-RS



Applications:

- RO System
- Cooling water
- Industrial process

Features:

- 96 x 96mm Intelligent conductivity/resistivity transmitter
- Waterproof and dustproof design
- Compatible with conductivity or resistivity measurement
- Compatible with 2- or 4-electrode conductivity cell
- User-friendly operation with text and graphic illustrations, clear signs and easy to understand
- Large LCM with auto-sense backlight and contrast setting function
- With password and multi-key design-security protection enhancement
- Automatic temperature compensation with NTC30K or PT1000
- Temperature coefficient compensation by non-linear or linear
- Two sets of isolated current output at DC 0/4~20mA, max. load 500Ω
- Hi/Lo, Hi/Hi, Lo/Lo selectable two limited contact outputs with programmable set-points and hysteresis
- Gradually continuous sample measurements average function to enhance stability
- Automatic sensor clean function with programmable time interval
- LED indicated alarm or washing status signal
- IP 65 (NEMA 4X)

EC-4110-RS only:

- Measuring value can be selected for figure or chart display
- Trace mode can display historical measured value curve from 3-minute to 4-week program
- Equipped with logbook function
- Equipped with one analog output and RS-485 interface



2-Electrode



4-Electrode



Intelligent Conductivity Transmitters

EC4110/EC-4110-RS

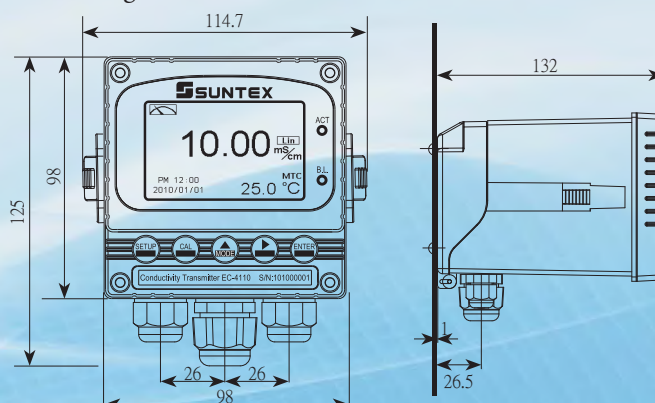
Specifications:

Model		EC-4110	EC-4110-RS
Measuring modes		Conductivity/Resistivity	
Range	Conductivity	0.00 us/cm~200.0 ms/cm in 5 ranges; Auto or Fixed	
	Resistivity	0.00~20.00 MΩ-cm	
	Temp.	-30.0~130.0°C	
Resolution	Conductivity	0.01 / 0.1 / 1 μS/cm, 0.01 / 0.1 mS/cm	
	Resistivity	0.01 MΩ-cm	
	Temp.	0.1°C	
Accuracy	Conductivity	± 1% (± 1 digit)	
	Resistivity	± 1% (± 1 digit)	
	Temp.	± 0.2°C (± 1 digit)	
Cell constant		0.01, 0.05, 0.1, 0.5, 10.0 cm ⁻¹ fixed, freely selectable 0.0080~19.99 cm ⁻¹	
Calibration		Automatic with three kinds of built-in standard solutions	
		Manual cell-constant adjustment	
Temperature compensation		Automatic with NTC 30K / PT 1000 or manual adjustment	
Temperature coefficient		Linear compensation at 0.00%~40.00%	
		Non-linear compensation for natural water	
Ambient temperature		0~50°C	
Storage temperature		-10~70°C	
Display		Large LCM with auto-sense backlight and contrast function	
		Text mode	Text, Chart or Trace mode
Analog output 1		Isolated DC 0/4~20mA corresponding to measuring range, max. 500Ω	
Analog output 2		Isolated DC 0/4~20mA corresponding to temperature, max. 500Ω	-
Serial interface		-	RS-485 (MODBUS RTU or ASCII)
Logbook		-	50 event records
Setting	Contact	240VAC, 0.5A max. (recommend)	
	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two limited programmable, ON/OFF	
Wash	Contact	240VAC, 0.5A max. (recommend)	
	Activate	ON:0~99 min. 59 sec. OFF:0~999 hours 59 min.	
Power supply		100~240VAC ± 10%, 4W max., 50/60 Hz	
Installation		Wall or pipe or panel mounting	
Dimensions		96 mm x 96 mm x 132 mm (H x W x D), 1/4 DIN	
Cut out dimensions		93 mm x 93 mm (H x W)	
Weight		0.5 Kg	
Protection		IP 65 (NEMA 4X)	

What's included? 2 Panel Mounting clips, Precision driver for wiring

Optional accessories:

1. 2-electrode conductivity cell
2. 4-electrode conductivity cell
3. Resistivity cell, 0.01/0.05/0.1
4. Specific cable 5M, 10M, 20M, 30M or other length upon request
5. Standard solution, 84/1413us and 12.88ms
6. Flow through tees
7. Flow chamber
8. Sun shield
9. Immersion sensor holder 1M, 2M, and 3M
10. L shaped sensor holder support base



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