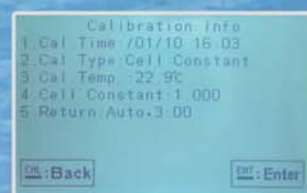
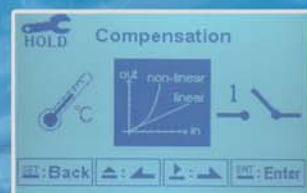


Intelligent Conductivity Transmitters

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

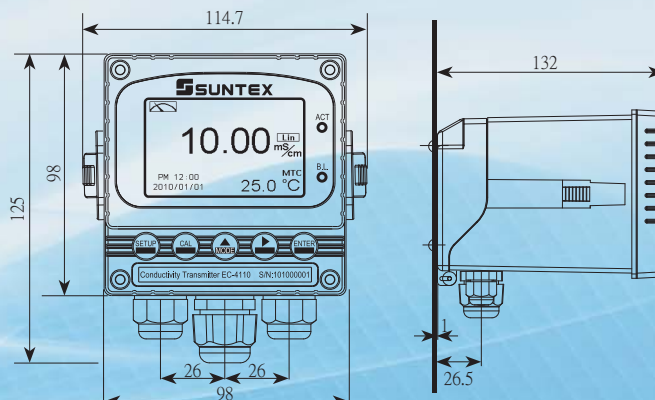
Specifications:

| 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



SUNTEX INSTRUMENTS CO., LTD.

Web site: www.suntex.com.tw E-mail: suntex@ms1.hinet.net

13F., No.31, Lane 169, Kangning St., Xizhi Dist., New Taipei City 22180, Taiwan (R.O.C.)

Tel: 886-2-2695-9688 Fax: 886-2-2695-9693

Taichung Branch: 886-4-2319-7996 Kaohsiung Branch: 886-7-334-4103