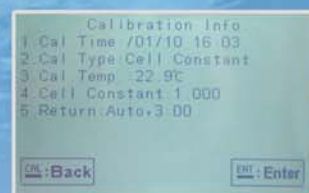


Intelligent Conductivity Transmitters

EC-4110 / EC-4110RS



Applications:

- 🔥 RO System
- 🔥 Ultra pure water system
- 🔥 Cooling water
- 🔥 Boiler water
- 🔥 Industrial process
- 🔥 Water treatment

Features:

- 🔥 96 x 96mm Microprocessor conductivity 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 display with backlight and contrast setting function
- 🔥 With password and multi-key design along with security protection enhancement
- 🔥 Automatic temperature compensation with NTC30K · PT1000 or manual adjustment
- 🔥 Temperature coefficient compensation by non-linear or linear
- 🔥 Two sets of isolated current output at DC 0/4~20mA, max. load 500Ω
- 🔥 Hi/Lo limited contact output; Set point and hysteresis program
- 🔥 Automatic sensor clean function with programmable time interval
- 🔥 LED indicated alarm or washing status signal
- 🔥 IP 65(NEMA 4)

EC-4110RS 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

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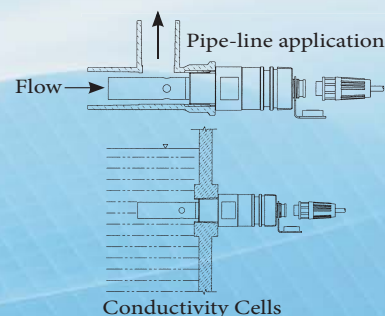
Specifications:

| Model | | EC-4110 | EC-4110RS |
|--------------------------|--------------|--|-----------------------------|
| 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 us/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 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 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%, 5W 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) | |
| Cut out dimensions | | 93 mm x 93 mm (H x W) | |
| Weight | | 0.5 Kg | |
| Certification | | IP 65 (NEMA 4) | |

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

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. Recorder
9. Protection hood



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