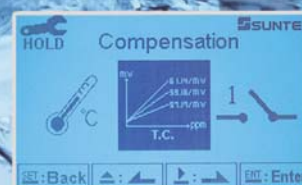
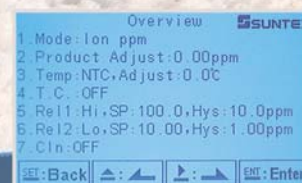


# Intelligent Ion Transmitter

## IT-8310-RS



### Applications:

- ♦ Wastewater effluent of semiconductor, solar panel, touch panel, and LCD/LED display industries

### Features:

- ♦ 144 x 144 mm Intelligent Ion Transmitter
- ♦ Ion-selective method provides real-time monitoring, reduces pre-treatment & consumable cost
- ♦ Measuring unit: mg/L, ppm, pX
- ♦ User-friendly operation with text and graphic illustrations, clear signs and easy to understand
- ♦ Large LCM display with auto-sense backlight and contrast setting function
- ♦ 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 event logbook function including error diagnosis record
- ♦ Equipped with 2~5 points calibration with iso-potential point compensation
- ♦ With password and multi-key design—security protection enhancement
- ♦ Gradually continuous sample measurements average program to enhance stability
- ♦ Product adjustment function allows online comparison calibration
- ♦ Equipped with one analog output and RS-485 interface
- ♦ Hi/Lo, Hi/Hi, Lo/Lo selectable two limited contact output with programmable set-point and hysteresis
- ♦ Automatic sensor clean function with programmable time interval
- ♦ Three separate LED indicated alarms for recognition at a glance even from far place
- ♦ IP 65 (NEMX 4X) waterproof and dustproof design





# Intelligent Ion Transmitter

## IT-8310-RS

### Specifications:

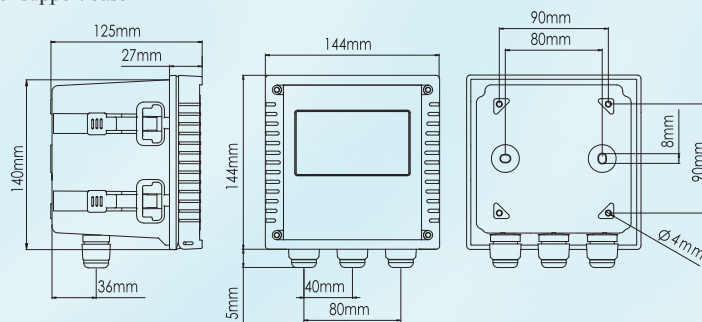
Model		IT-8310-RS
Measuring mode		Ion / mV / Temp.
Method		Ion selective electrode method
Ranges	mg/L (ppm)	0.00 ~ 99,999 mg/L (ppm)
	pX	0.00~20.00 pX
	mV	-1999~1999 mV
	Temperature	-30.0~130.0°C
Resolution	mg/L (ppm)	0.01 mg/L / 0.1 mg/L / 1 mg/L (0.01 ppm / 0.1 ppm / 1 ppm )
	pX	0.01 pX
	mV	1 mV
	Temperature	0.1°C
Accuracy	pX	±0.01 pX (±1 Digit)
	mV	±0.1% (±1 Digit)
	Temperature	± 0.2°C (±1 digit) with temperature error correction function
Temperature Compensation		Automatic with Pt-1000 or NTC 30KΩ
		Manual adjustment / OFF Compensation (applicable with auto temperature display)
Calibration mode		2~5 Points Calibration Equipped with Iso-potential point compensation function
Ambient Temperature		0~50°C
Storage Temperature		-20~70°C
Input impedance		> 10 <sup>12</sup> Ω
Display		Large LCM with auto-sense backlight and contrast function
		Text mode: Numerical display
		Chart mode: 3 min real-time dynamic graph
		Trace mode: Programmable 3 min to 4 week trend graph
Language		English, Traditional Chinese & Simplified Chinese
Analog Output		Isolated DC 0/4~20 mA corresponding to Ion/mV measurement, Max. load 500Ω
Logbook		50 event records
Serial Interface		RS-485 (MODBUS RTU or ASCII)
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: 0~99min. 59sec., OFF: 0~999 hours 59min.
Voltage Output		DC±12V, 1W Max.
Power Supply		100V~240VAC±10%, 8W Max., 50/60Hz
Installation		Wall / Pipe / Panel Mounting
Dimensions		144mm × 144mm × 115mm (H×W×D)
Cut off Dimensions		138mm × 138mm (H×W)
Weight		Wall / Pipe / Panel Mounting
Protection		IP65 (NEMA 4X)

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

Accessory: Panel Mounting clip kit, Plastic L-shaped sensor holder support base

### Optional accessories:

1. F- ISE combination electrode
2. Immersive electrode holder
3. Junction box
4. Extension cable
5. Sun Shield
6. Standard solution
7. Stainless steel holder support base



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