

⊂ pH • Conductivity _DO • Cl₂ • Turb • Ion • SG

in off

=14.00

4.01

7.00

10.00



About Suntex

Suntex Instruments Co., Ltd. established in 1982 in Taiwan, has gained prestige and trust from our customers for dedication of providing professional, high-quality water analysis products and satisfying customer service.

Online Measurement and Control

Through 30 years experience and innovation, Suntex has launched its fifth generation transmitter. We called it intelligent transmitter series. The intelligent transmitter series includes pH/ORP, Conductivity/Resistivity, Dissolved Oxygen, Residual Chlorine, Turbidity, Ion and Specific Gravity models for water treatment & process. The intelligent transmitter features 1/4 DIN or 1/2 DIN housing with IP65 protection, graphical menu, last calibration and overview of setting at a glance, and auto-sense backlight display, etc. There are also RS-485 Modbus models and PID controlling models to satisfy various demands. All of them are the proof of our continuous research and development to make the online measurement and controlling easier and more reliable.



30 Years Quality Solution & Service



Portable and Laboratory Instruments

The accuracy and reliability of the Suntex portable and Laboratory instruments are guaranteed by the online measurement experience. Suntex provides a variety of pH/ORP, Conductivity/Resistivity/TDS/ Salinity portable and benchtop meters to universities, research centers, environment inspection labs, and applications of various industries. There are also Colony Counter, COD Thermoreactor, Hotplate & Stirrer, and Automatic Waterstill for most general laboratory usage.



ISO 9001:2008 Certified

Suntex has been certified by TÜV SÜD Management Service GmbH, Germany, since 2001 for Distribution of Instruments & Equipment, and Development and Production of Meters & Transmitters.



www.suntex.com.tw/en
— Visit for more information





Application table for parameters of SUNTEX online transmitters

	pH/ORP	Cond/Res	D.O.	Cl ₂	Turb/S.S	ION	S.G.
Wastewater	O	O	O		0	O	
Pure water	O	O		O			
Raw water	O	O		O	O		
Cooling water	O	O		O	O		
Recycled water	O	O		O			
Scrubber	O	O					O
Process cleaning		O					
Electroplating	O	O				O	O
Etching	O	O				O	O
Surface water	O	O	O		O		
Fish farm	O	O	O				
Drinking water	O	O		O	O		
Swimming Pool	O			O			



Transmitters and Parameters

Complete models and parameters for all water treatment applications





pH/ORP Cond./Res. Dissolved Oxygen Chlorine Turb./S.S. Ion

Extremely advanced operation & protection with various parameters

Microprocessor Water Quality Monitors 48x96mm

pH/ORP Cond./Res.

Compact & pragmatic





Classic Transmitters 144x144mm, IP 65

pH/ORP

Easy tuning calibration

All New Suntex Intelligent Transmitters



HOLD

Back Light

SET:Back A: A L: A EMT: Enter

Provides instrument safety

IP65 waterproof

protection

protection

SUNTEX





ACT

B.L.

•

Auto-Sense Backlight Display

Auto turn on the backlight when the environment become dark, for clear reading and energy saving



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SSUNTEX

Suntex RS Intelligence Advanced Transmitters





Real-time chart mode

3 minutes real-time dynamic graph to help you realize recent development in control

2



Events logbook

Actions, current output out of range, power outages and error records, no need for standby and record them anymore

Intelligent Value-Added Features

Trace mode

Set up from 3 mins to four weeks duration of the measured value trend graph to help you master the process history



RS-485 MODBUS protocol

3

Provides long-distance, multiple values and configuration info transmission and anti-electrical signal protection

	Page 1		
11/06/29	15:33:56	Set	mode
11/06/29	15:33:49	Mea	mode
11/06/29	15:33:47	Set	mode
11/06/29	15:31:22	Mea	mode
11/06/29	15:30:58	Set	mode
11/06/29	15:30:26	Mea	mode
11/06/29	15:29:59	Set	mode
SET:Back	▲:▲ ▶	: 🔺]



How to build a pH Measurement System



There are four major elements to make a complete measurement system.

1. Transmitter: to translate the sensor's reading into a displayed measurement and transfer the data to the process control system



3.Cable: to transmit the signal between a sensor and a transmitter



2. Sensor: directly mounted in the field to measure solutions



4.Sensor Housing: to hold the sensor, protect the sensor in the measurement solutions, and to connect to the extension cable



itelligent pH/ORP Transmitters

ACT

B.L

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PC-3110 Series

V/0H @25 DE

■:Back ▲:▲ 上:▲ 图:Enter

Back A: A L: A M: Enter

Multi - Cal.

EI:Back A: A L: A ENT: Enter

_mA:4-20mA+2 00pH+12 00pH mp_mA:4-20mA+0.00+100 00

HOLD



Applications:

- Industrial Process
 Chemical Process
- **&** Scrubber
- 0
- Water & Wastewater Treatment
- Recycling
 Environmental protection

biochemistry

Features:

- 2 96 x 96mm Intelligent pH/ORP Transmitter
- Waterproof and dustproof design
- ¿ Solution-ground design eliminating interference of ground potential
- ¿LCM graphic display with auto-sense backlight and contrast setting function
- User-friendly operation with text and graphic illustration, clear signs and easy to understand
- ¿Multi-Cal calibration, Tech. and NIST buffer automatic recognition
- Max. 3-point calibration and the calibration line calculated by linear regression, the last calibration data displayable
- Product adjustment function allows online calibration
- With password and multi-key design-security protection enhancement
- ¿Automatic temperature compensation, NTC30K or PT 1000 selectable
- \sim Two sets of isolated current output at DC 0/4~20mA, max. load 500 Ω
- ¿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), CE approved

PC-3110-RS / PC-3110-RS-P only:

- ¿Measured values 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 events logbook function
- Max. 5-point calibration, with customer definition buffer setting and calibration curve, which can be displayed
- ¿ Equipped with one analog output and RS-485 interface

PC-3110-P / PC-3110-RS-P only:

¿ Equipped with PID control function to maximize the stability of process

SUNTEX

Specifications:

Model		PC-3110	PC-3110-P	PC-3110-RS	PC-3110-RS-P			
Measuring modes		pH / ORP / Temp.						
pH		-2.00~16.00 pH						
Ranges	ORP	-1999~1999 mV						
	Temp.		-30.0~	-130.0				
	рН		0.01	рН				
Resolution	ORP		1 mV					
	Temp.		0.1					
	рН		± 0.01 pH (±1Digit)					
Accuracy	ORP		± 0.1%	(±1Digit)				
	Temp.	± 0.2°	C (±1 Digit) with temper	ature error correction fu	inction			
Tamparatura	magnetion		Automatic with NT	C 30KΩ or Pt-1000				
Temperature co	mpensation		Manual a	djustment				
Ambient Terr	perature		0~	50				
Storage Tem	iperature		-20	~70				
Input Impe	edance	>10 ¹² Ω						
Diaple	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	LCM (graphic display) with auto-sense backlight and contrast function						
Displa	ay	Text	mode	Text, Chart or Trace mode				
Analog ou	itput 1	Isolated DC 0/4~20mA corresponding to pH/ORP, max. load 500 Ω						
Analog ou	tput 2	Isolated DC 0/4~20r Temp., max	mA corresponding to . load 500Ω	-				
Serial Inte	erface		-	RS-485 (MODBUS RTU or ASCII)				
Logbo	ok		-	50 event records				
Calibration	mode	Any, Tech & NIS	ST, Three Points	Any, Tech, NIST & Custom definition buffer setting table, Five Points				
	Contact	240VAC, 0.5A max. (recommended)						
Setting	A stimula	Hi/Lo, Hi/	Hi, Lo/Lo selectable two	o limited programmable	, ON/OFF			
	Activate	-	*PID Control	-	*PID Control			
) A /a a la	Contact		240VAC, 0.5A ma	x. (recommended)	·			
vvasn	Time	ON: 0~99 min. 59 sec. OFF: 0~999 hours 59 min.						
Voltage output		DC ±12V, 1W Max. for PH-300T (Optional)						
Power Supply		100 ~ 240 VAC ±10%, 50~60 Hz, 7W Max.						
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 off Dim	ensions		93 mm x 93	mm (H x W)				
Weigl	nt		0.5	kg				
Protection		IP 65 (NFMA 4X)						

*PID Control Function: P, PI, PD, PID control

*PID Control Output: Pulse Length, Pulse Frequency, Analogout What's included? 2 Panel Mounting clips, pH 4, pH 7 buffer solutions, Plastic L shaped electrode holder support, Precision driver for wiring

Optional Accessories:

- 1. pH electrode
- 2. ORP electrode
- 3. Pt-1000 ATC probe
- 4. NTC 30 K Ω ATC probe
- 5. Field indication transmitter
- 6. pH buffer solutions
- 7. ORP buffer solutions
- 8. Cleaning solutions
- 9. Junction box
- 10. Flow-through chamber
- 11. Immersion electrode holder 1M, 2M and 3M
- 12. Industrial electrode protection housing/fitting
- 13. Extension cable
- 14. Sensor cleaning kit
- 15. Sun shield & adapter kit
- 16. L-shaped electrode holder support base





Intelligent Conductivity Transmitters

EC-4110 Series

Compensation

L: L HI:En

ENT : Enter



Calibration Info 1 Gal Time /01/40 46 03 2 Cal Type Cell Constant 3 Cal Temp. 22 9C 4 Cell Constant 1 000 5 Return Auto.3 00

E Back

E:Back

Applications:

- NO System
- Cooling water
- Industrial process

Boiler water Water treatment

Pure water

Features:

- 0 96 x 96mm Intelligent conductivity/resistivity transmitter
- UWaterproof 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
- ¿ LCM graphic display 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
- \sim Two sets of isolated current output at DC 0/4~20mA, max. load 500 Ω
- UHi/Lo, Hi/Hi, Lo/Lo selectable two limited contact outputs with programmable set-points and hysteresis
- b Gradually continuous sample measurements average function to enhance stability
- O Automatic sensor clean function with programmable time interval
- ¿ LED indicated alarm or washing status signal
- IP 65 (NEMA 4X), CE approved

EC-4110-RS only:

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

4-Electrode

2-Electrode

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Specifications:

Model		EC-4110	EC-4110-RS		
Measuring modes		Conductivity / Resistivity / Temp.			
	Conductivity	0.00 µS/cm~200.0 mS/cm	in 5 ranges; Auto or Fixed		
Range	Resistivity	0.00~20.00 MΩcm			
	Temp.	-30.0~130.0			
	Conductivity	0.01 / 0.1 / 1 µS/cm, 0.01 / 0.1 mS/cm			
Resolution	Resistivity	0.01 MΩcm			
	Temp.	0.	.1		
	Conductivity	± 1% (±	1 Digit)		
Accuracy	Resistivity	± 1% (±	-1 Digit)		
	Temp.	± 0.2°C (±1 Digit) with temper	rature error correction function		
Cell	constant	0.01, 0.05, 0.1, 0.5, 10.0 cm ⁻¹ fixed,	freely selectable 0.008~19.99 cm ⁻¹		
Cal	ibration	Automatic with three kinds of	of built-in standard solutions		
Cal	Ibration	Manual cell-cons	stant adjustment		
Temperature	e compensation	Automatic with NTC 30K / Pt	-1000 or manual adjustment		
Taraaaanat	we exellisiont	Linear compensation at 0.00%~40.00%			
remperau	ure coemcient	Non-linear compensation for natural water			
Ambient	temperature	0~50			
Storage	temperature	-20~70			
	ian lau	LCM (graphic display) with auto-sense backlight and contrast function			
D	ispiay	Text mode	Text, Chart or Trace mode		
Analog	g output 1	Isolated DC 0/4~20mA corresponding to measuring range, max. 500 Ω			
Analog	g output 2	Isolated DC 0/4~20mA corresponding to temperature, max. 500Ω	-		
Serial	interface	-	RS-485 (MODBUS RTU or ASCII)		
Lo	gbook	-	50 event records		
0	Contact	240VAC, 0.5A max	x. (recommended)		
Setting	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two	limited programmable, ON/OFF		
	Contact	240VAC, 0.5A max	x. (recommended)		
Wash	Activate	ON: 0~99 min. 59 sec. OFF: 0~999 hours 59 min.			
Powe	er supply	100~240 VAC ±10%	, 50~60 Hz, 7W Max.		
Installation		Wall or pipe or panel mounting			
Dimensions		96 mm x 96 mm x 132 n	nm (H x W x D), 1/4 DIN		
Cut out	dimensions	93 mm x 93	mm (H x W)		
W	/eight	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, 84/1413µS/cm and 12.88mS/cm
- 6. Flow through tees
- 7. Bypass chamber
- 8. Sun shield & adapter kit
- 9. Immersion sensor holder 1M, 2M, and 3M
- 10. L shaped sensor holder support base



SSUNTEX

EC-4110-ICON Inductive Conductivity Transmitter

Precision even in the harshest conditions

The EC-4110-ICON transmitter provides precise inductive conductivity measurements even in the harshest chemical conditions with chemical concentration curves, or a self-defined conversion table. Built-in product adjustment function allows fine-tuning for concentration values to minimize process contamination caused deviations. Users can even utilize MODBUS digital communication to remotely change concentration curves. The EC-4110-I is an inductive conductivity transmitter without concentration mode.

Applications:

- Chemical concentration
- Food & Beverage CIP
- Reagent dilution
- Scrubber/Cooling water
- Chemical recycling
- Salinity Adjustment/Desalination
- **Features:**
- Compatible with anti-fouling electrodeless conductivity sensor
- ♦ Conductivity range up to 2000 mS/cm
- EC-4110-ICON with built-in concentration curves and a self-defined table function
- EC-4110-ICON simultaneously display concentration, compensated conductivity and absolute conductivity values
- ♦ EC-4110-I with conductivity, salinity and TDS measurement
- Password protection

N					
Measuring modes		0.0 uS/cm 2000 mS/cm (depende on selected range); Auto or Eived			
	Conductivity	0.0 µS/cm~2000 mS/cm (depends on selected range); Auto or Fixed			
	Salinity	$2 \text{ I IIIS/CIII. } \pm 170 (\pm 1 \text{ Digit}), < 1 \text{ IIIS/CIII. } \pm 10 \text{ µS/CIII}$			
		0.0 ppt - 0.0 ppt			
	100	$PT_{1000} = 30.0, 200.0^{\circ}(\cdot)$ NTC $-30.0, -130.0^{\circ}(\cdot)$ (Depends on the sensor)			
	Temperature	$\pm 0.2^{\circ}$ C (± 1 Digit) with temp. error correction function			
ivieasuring		(Range incl. different temp. condition; Resolution 0.01%)			
range		NaCl_28%: 0~28.%			
		HCI_18%: 0~18% HCI_39%: 22~39%			
	Concontration	HNO ₃ _30%: 0~30% HNO ₃ _30%: 35~96%			
	Concentration	- NaOH_24%: 0~24% NaOH_50%: 15~50%			
		H ₂ SO ₄ _37%: 0~37% H ₂ SO ₄ _88%: 28~88%,			
		H ₂ SO ₄ _99%: 89~99% H ₃ PO ₄ _35%: 0~35%			
		User-Defined Concentration Table(9 temp. x 9 Con./Cond. matrix);			
Tomporatura	acomponention	Pt-1000 or NTC 30K automatic compensation			
Temperature compensation		Manual temp. compensation, and can display non-compensated conductivity value			
Collibration mode		(1) Manual cell-constant adjustment (2) Conductivity standard solution calibration			
Calibra	lion mode	(3)Zero-point calibration			
Cell constant		Freely adjustable 0.008~9.9999 cm ⁻¹			
Production adjustment		Factor: 0.7000~1.3000			
Temperatu	ure coefficient	Linear temperature compensation at 0.00%~40.00%,			
Component	d Tomporaturo	0. 200°C Freely ediusteble & setting of the temp, value to be componented at			
		LCM (graphic display) with auto/manual illumination function. Text. Chart. Trace mode			
Calibra	tion mode	One point or two points calibration			
Analo		Isolated DC 0/4~20 mA corresponding to measurement max load 5000			
Sorial	interface	Isolated DC 0/4~20 ThA corresponding to Theasurement, that load 50052			
Event	logbook	50 event records			
LVent	Contact	240 VAC 0.54 max (recommended)			
Set point	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two limited programmable, ON/OFF			
	Contact	20 VAC 0.54 max (recommended)			
Wash	Time	On: 0~99min 59sec. Off: 0~999hr 59min			
Ambient temperature					
Storage temperature		-20~70°C			
Power supply		100~240 VAC+10% 50~60 Hz 7W Max			
Installation		Wall mounting. Pipe mounting. Papel mounting			
Dime	ensions	96 mm x 96 mm x 132 mm (H x W x D), 1/4 DIN			
Cut off o	dimensions	93 mm x 93 mm (H x W)			
W	/eight	0.5 kg			
Protection					



What's included? 2 panel mounting clips



DC-5110 Series Dissolved Oxygen Transmitter

Reliable and sophisticated

The DC-5110 series transmitter provides compatibility to pre-amplified sensor and polarographic D.O. sensor in a 1/4DIN size housing. The graphical menu driven operation with setting and calibration information in full text pages provides the extreme ease of use in all functions. The DC-5110-RS integrates the advantage of RS model features including graphical trace curve, events logbook and RS-485 interface.

Applications:

Wastewater aerationFish farming

EnvironmentFermentation

Features:

- Compatible with WTW pre-amplifier 690 sensor
- Compatible with polarographic analog sensors
- ♦ IP 65 waterproof and dustproof design
- Back-lit LCM display with graphical menu
- DC-5110 series with setting & last cal. info overview
- DC-5110-RS with Text, Chart, and Trace mode display
- Sensor slope status indicator for pre-amplifier sensor
- Salinity correction & atmospheric pressure correction
- Password protection

М	odel	DC-5110 DC-5110-RS			
%Saturation		0.0 ~ 600.0%, (Depends on the sensor), $\pm 0.5\%$ of reading (± 1 Digit)			
range	mg/l, ppm	0.00~60.00 mg/l (ppm), (Depends on the sensor), $\pm 0.5\%$ of reading (± 1 Digit)			
range	Temperature	0.0~140.0°C, (Depends on the sensor), ±0.2°C (±1 Digit) with temp. error correction function			
Temperature	compensation	NTC 30K or NTC 22K automatic co	ompensation or manual adjustment		
Salinity	correction	0.0 ~ 4	5.0 ppt		
Proceure	correction	0.500 ~ 2.500 bar or 7.25 ~ 3	36.25 psi manual adjustment		
Flessure	CONECTION	500~2500mmHg r	nanual adjustment		
Di		LCM(graphic display) with auto-ser	nse backlight and contrast function		
Dis	spiay	Text mode	Text, Chart or Trace mode		
Calibrat	tion mode	One point or two	points calibration		
Analog output		Isolated DC 0/4~20 mA corresponding to measurement, max load 500 Ω			
Temp. output		DC 0/4~20 mA	-		
Serial	interface	-	RS-485		
Event	logbook	-	50 event records		
Sat point	Contact	240 VAC, 0.5A max. (recommended)			
Set point	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two	o limited programmable, ON/OFF		
Mach	Contact	240 VAC, 0.5A max. (recommended)			
VVasiT	Time	On: 0~99min. 59sec, Off: 0~999hr 59min.			
Ambient t	temperature	0~50°C			
Storage t	emperature	-20~70°C			
Voltag	e output	DC ±8V, Max 0.5W			
Powe	r supply	100~240 VAC±10%, 50~60 Hz, 8W Max.			
Insta	allation	Wall mounting, Pipe mounting, Panel mounting			
Dimensions		96 mm x 96 mm x 132 mm (H x W x D), 1/4 DIN			
Cut off c	limensions	93 mm x 93	mm (H x W)		
W	eight	0.5	kg		
Protection		IP 65 (NEMA 4X)			

What's included? 2 panel mounting clips, Plastic L-shaped electrode holder support base



CT-6110-POL Residual Chlorine/pH Analyzer

Extremely low maintenance & high stability

SUNTEX

The CT-6110-POL is an outstanding free chlorine & pH dual channel analyzer. Its rotating electrode design provides unique performance which not only reduces maintenance & consumable costs as the traditional membrane type sensors have, but also provides high measurement stability without need of electrolyte. Th guarantees the best possible measurement performan process.

Applications:

Raw water sanitary

Drinking water

Dechlorination

Swimming pool

Cooling water

- **Features:**
- Non-reagent type free available chlorine & pH dual-cha
- ♦ Non-membrane type Cl₂ sensor reduces operation cos
- Motor-driven, self-cleaning electrode ensures measured
- Auto/Manual pH compensation for less limitation
- ♦ Individual 2 limited ON/OFF relays for Cl₂ /pH
- Water outage diagnostic function automatically holds operation
- Easy sensor box removing design facilitates maintenance work
- Polarogram scanning verifies initial voltage for demanding application

nis technology nce in sanitary	
annel analyzer sts ment reliability	

At maintenance position

M	lodel	CT-6110-POL				
	Chlorine	0.00~3.00mg/l (ppm), (highest measurement up to 5 mg/l)				
Measuring range	Official	(Free Cl ₂ corresponding range adjustable for graphical display)				
	pН	-2.00~16.00pH (with an optional pH sensor set)				
	Temperature	0.0~60.0°C, ±0.2°C (±1 Digit) with temp. error correction function				
pH com	npensation	pH sensor auto compensation/ manual compensation/ OFF / \pm 0.01pH (\pm 1 Digit)				
Temperature	compensation	NTC 30K (compensation range: 0~45°C) / ±0.2°C (±1 Digit)				
Di	splay	LCM (graphic display) with auto/manual illumination function, Trace mode, Chart mode	Э			
Analog	g outputs	Two isolated DC 0/4~20 mA corresponding to $Cl_2(1)$, pH or temp.(2), max load 500 Ω				
Serial	interface	RS-485 (MODBUS RTU or MODBUS ASCII)				
Set point	Contact	240 VAC, 0.5A max. (recommended)				
Get point	Activate	Two individual Free Cl_2 or pH, Hi/Lo selectable, limited programmable				
Clean//	Auto Zero	Contact output, On: 0~99 min. 59 sec, Off: 0~999 hr 59 min				
Ambient	temperature	0~50°C; Storage temperature: -20~70°C				
Measuring principle		Polarographic (no reagent needed for measurement)				
Cl ₂ electrode		2 in 1 rotating electrode (Indicator electrode: gold; Counter electrode: silver)				
Accuracy/Repeatability		±2% Full Scale / ±2% Full Scale				
Response time		<60 sec for 0~2mg/l, or < 90 sec for 2~3mg/l (90% response time)				
pH el	lectrode	Optional (no need for pH compensation as pH ranges within pH 6.5~7.5)				
Cl ₂ electro	ode cleaning	With Ceramic beads offering automatic cleaning				
Water outa	age diagnosis	Auto motor shut-down and hold the control and output				
Motor p	orotection	Auto motor shut-down against overheating				
Pipping	connection	Inlet: 3/8"(ID); Drain: 3/8"(ID)				
		Temp.:0~50°C, Inlet flow 0.1~2 L/min (no overflow as the criteria)				
Sample	condition	pH 5~9 with optional pH sensor for automatic compensation, or pH 6.5~7.5				
		Conductivity: 100~500µS/cm (depends on sample quality); S.S.: \leq 10 mg/L				
Powe	er supply	CT-6110-POL-01: CT-6110-POL-02: CT-6110-POL-03:				
		AC 220V (-15~+10%) / 60Hz AC 220V (-15~+10%) / 50Hz AC 110V (-15~+10%) / 60	JHZ			
Power co	onsumption	Approx. 35W				
Insta	allation	Wall mounting				
System	dimensions	~316 mm x 301 mm x 211 mm (H x W x D)				
System weight		Approx. 4.0 kg				

What's included? Transmitter, Sensor assembly box(Cl₂ sensor, temp. sensor, motor & driving device), Flow-through chamber, Wall mounting frame, Ceramic beads pack x 2, Cl₂ sensor measuring cup, Inlet/Outlet couplings

Optional: pH electrode, pH electrode housing, motor shield cover

Low Turbidity

TC-7320-RS Low Range Turbidity Transmitter 8-TD-201 Low Range Turbidity Sensor

Extremely reliable with high resolution in clean water application

With the TC-7320-RS and 8-TD-201 sensor, Suntex presents a superior performance solution for turbidity measurement.

TC-7320-RS transmitter incorporates graphical icons with a text information menu to provide an intuitive operation. Clear parameter display can choose digital display or graphic display of the current monitoring status. The welldesigned, accurate system provides resolution capability up to 0.0001 NTU. The transmitter can connect with up to two turbidity sensors and provides all analog & digital outputs and relay controls under a great user-experience operation interface. In addition, the code protection function is protecting your setting, not changed by others.

8-TD-201 sensor is designed for measuring lower-range turbidity in clean water and are compliant with ISO 7027 specification. The sensor has a durable LED light source and last longer. Special anti-bubble interference design can offer reliable measurements for continuous operation. Also, the optical dry standard modules provide accurate calibration with ease of use, lowering maintenance loading and consumables, and thus saving operating costs.

Applications:

- Drinking water
- Boiler water
- Recycled water
- Raw water of the beverage industry
- Membrane fouling monitoring
- Treated process water

Features:

- ♦ Long-life white LED sensor model
- The resolution capability is up to 0.0001 NTU
- Graphical icons with a text information menu provide an intuitive operation
- Built-in sophisticated bubble removal device ensures reliable measurement
- Optical window is equipped with a heater to avoid mist interference
- Easy operation, dual channel, analog and Modbus output transmitter
- Password protection function is protecting your setting, not changed by others

Model		TC-7320-RS	8-TD-201 Sensor		
Measurir	ng range	0.0000~200.00 NTU, ±2% or ±0.02NTU(0 to 40NTU), ±5%(40 to 200NTU)			
Measur	ing unit	NTU, FTU, FNU	-		
Light s	source	-	LED		
Flow	rate	-	250 ml~750 ml/minute		
Calibratio	on Mode	Turbidity solution up to 5 points calibration	-		
Display		LCM (graphic menu display) with auto/ manual illumination function, available for -			
Analog output		Two isolated DC 0/4~20 mA corresponding to turbidity, max load 500Ω			
Serial interface		RS-485 (MODBUS RTU or MODBUS ASCII) -			
Event logbook		50 event records	-		
Sot point	Contact	240 VAC, 0.5A max. (recommended)			
Set point	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable four limited programmable, ON/OFF			
Wash	Contact	240 VAC, 0.5A max. (recommended)			
VVaSIT	Time	On: 0~99min. 59sec, Off: 0~999hr 59min.			
Ambient te	mperature	0 ~ 50°C			
Storage te	mperature	-20 ~ 70°C			
Power	supply	100V~240VAC±10%,50/60Hz, 7W Max	100V~240VAC±10%,50/60Hz, 6W Max		
Install	lation	Wall / Pipe / Panel Mounting	Wall Mounting		
Dimer	nsions	144mm x 144mm x 115mm (H x W x D)	296.1mm x 306mm x 184.1mm (H x W x D)		
Wei	ght	0.8 kg	1.25 kg		
Protection		Transmitter: IP 65 (NEMA 4X)			

SUNTEX 3.2027 NTU







CT-6110-RS Chlorine/Ozone Transmitter

Powerful measurement with dual parameters

The CT-6110-RS transmitter has a rugged IP 65 enclosure and can be wall, panel, or pipe mounted in almost all industrial installations. Compatible with residual chlorine electrodes or ozone electrodes, the CT-6110-RS can also connect with pH electrodes for compensation which provides more stable and accurate measurement. In addition to inheriting the graphic menu and easy operation advantages of our intelligent series, the transmitter also contains RS model features including RS-485 interface, measurement curve display, and the event logbook function.



Drinking water

SUNTEX

- Recycled water
- ♦ Disinfection system

♦ Swimming pool

Water treatment Industrial process

Features:

Ν

- Compatible with membrane coverd, 2-wire current type Cl₂ or O₃ electrode
- ♦ Compatible with membrane coverd, 4-wire voltage type Cl₂ electrode
- Real-time pH monitoring
- PH compensation for residual chlorine measurements
- Independent pH current output and relay control
- lp 💧
- ♦ Te
- **6** Т

o 65 water	proof and dust	proof design	
ext, Chart wo analoc	, and Trace mo Joutput and or	de display le RS-485 interface	
Μ	odel	CT-6110-RS	
Measuring mode		Residual Chlorine / Ozone / pH / Temp	
	Cl ₂	0.00~20.00ppm (mg/L), ±0.5% (± 1 Digit), depends on sensor	
leasuring	O ₃	0.00~2.00ppm (mg/L), ±0.5% (± 1 Digit), depends on sensor	
range	рН	-2.00~16.00pH, ±0.01pH (± 1 Digit), depends on sensor	
	Temperature	-30.0~130.0°C, ±0.2°C (± 1 Digit) with temp. error correction function	
Resolution		Cl ₂ : 0.001 / 0.01 / 0.1ppm(mg/l), O ₃ : 0.01ppm(mg/l) pH: 0.01pH, Temp.: 0.1°C	
Display		Large LCM (graphic display) with auto/manual illumination function, Text, Chart, Trace mode	
emperature compensation		Automatic with NTC 30K/PT1K or Manual adjustment	
pH compensation		Automatic compensation / Manual adjustment / Off	
pH e	ectrode	Optional (no need for pH compensation as pH ranges within pH 6.5~7.5)	
Analo	g output	Two isolated DC 0/4~20 mA corresponding to \bullet Residual chlorine or O3 \bullet pH or temperature, max load 500 $\!\Omega$	
Serial	interface	RS-485 (MODBUS RTU or MODBUS ASCII)	
	Contact	240 VAC, 0.5A max. (recommended)	
Set point	Activate	Two individual Free Cl_2 / O_3 or pH, Hi/Lo selectable, limited programmable	
Lo	gbook	50 event records	
Powe	r Supply	100 ~ 240 VAC ±10%, 7W Max, 50~60 Hz	
Installation		Wall or Pipe or Panel mounting	
Ambient Temperature		0 ~ 50°C	
Storage Temperature		-20 ~ 70°C	
Dime	ensions	96 mm x 96 mm x 132 mm (H x W x D)	
Cut off dimensions		93 mm x 93 mm (H x W)	

Approx. 0.5 kg

IP 65 (NEMA 4X)

SUNTEX õ 0.30W CTANDER

Weight

Protection



SG-2110-RS Specific Gravity Transmitter

Real-time measurement meets best performance

The SG-2110-RS is an accurate, reliable, online, real-time specific gravity instrument suitable for demanding process applications. Its unique load cell technology provides long-term reliability for SG measurement. The advanced transmitter is able to convert the SG reading to concentration, baumé and salinity, and provides the highest level of user-friendly operation.

Applications:

- Electroplating
- Etching
- Scrubber

♦ Surface treatment

♦ Electrolyte concentration

♦ Antifreeze

Features:

- Specific gravity/Baumé/Salinity/Concentration transmitter
- Real-time online SG measurement optimizes production efficiency
- Long-term reliability and accuracy by load cell technology
- Convenient calibration with low maintenance
- ♦ Tro
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SG/Concer Two limited Password p	ntration conversion ON/OFF conta protection	act output	
М	odel	SG-2110-RS	
Measu	ring mode	Specific Gravity / Baumé / Salinity / Concentration / Temperature	
Measuring	SG	0.000~2.200 SG (with standard plummet), ±0.002(±1 Digit)	
range	Temperature	-30~130°C, ± 0.2 °C (± 1 Digit) with temp. error correction function	
Unit co	onversion	Built-in SG value converts to Baumé (°Bé) or Salinity(ppt) or Concentration(%) value	
Concentratio	on table setting	Changeable SG/Concentration table (Up to 10 points)	
Temperature compensation		Manual or automatic temperature compensation, SG value temperature compensation at 20°C	
SG temperature coefficient		SG coefficient of linear temperature compensation	
Calibration mode		Zero point calibration and Span calibration (For both volume and weight of plummet)	
Plummet constant		Settable plummet constant (1~99999)	
Display		LCM (graphic display) with auto/manual illumination function, Trace mode, Chart	
Analog	g outputs	Isolated DC 0/4~20 mA corresponding to measurement, max. load 500 $\!\Omega$	
Serial	interface	RS-485 (MODBUS RTU or MODBUS ASCII)	
Event	logbook	50 event records	
Sat paint	Contact	240 VAC, 0.5A max. (recommended)	
Set point	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two limited programmable, ON/OFF	
Ambient	temperature	0~50°C	
Storage t	emperature	-20~70°C	
Powe	r Supply	100 ~ 240 VAC ±10%, 50~60 Hz, 6W Max.	
Installation		Transmitter: Wall or Pipe or Panel mounting SG Sensor: According to field conditions for user self-installation	
Dime	ensions	Transmitter: 96 mm x 96 mm x 132 mm (H \times W \times D)	
Cut off c	dimensions	Transmitter: 93 mm x 93 mm (H x W)	
W	eight	Transmitter: 0.5Kg, SG Sensor: 0.7kg	
Protection		Transmitter: IP 65 (NEMA 4X)	

What's included? Transmitter, SG load cell sensor, SG plummet, Tie line, SG sensor platform, 2 Panel mounting clips Optional: Sensor cable 5m, 10m, 20m, 30m, 50m, Temperature probe, Teflon coating plummet





SCU-9100 Copper Analyzer

Highly reliable, accurate analysis without reagent

SCU-9100 copper ion analyzer offers precise and reliable measurements and is suitable for the manufacturing process of PCB, including monitoring copper solution, etching, and electroplating. Without reagents, copper ions are accurately detected through spectrophotometry. SCU-9100 is equipped with a peristaltic pump integrated design to realize automatic sampling. SCU-9100 is easy to calibrate, offering two-point calibration and adjustment of measured values. In addition to providing the graphic menu and easy operation, the SCU-9100 integrates the advantage of RS model features including measurement curve display, events logbook, and RS-485 interface.



Applications:

- Manufacturing process of PCB
- Monitoring copper solution

Etching
 Electroplating

Features:

- Display icons in the menu of the controller to provide intuitive operation
- Easily set up and move to the next step in the process on any platform
- Built-in peristaltic pump for automatic sampling
- The principle of spectrophotometry with different range models
- Measuring without reagent reduces the maintenance frequency and cost
- LED light source offer a longer lifespan
- ♦ IP 54 waterproof and dustproof design

Model			SCU-9100			
		SCU-9100-L	0.0	0~40.00 g/L, < ±2% Full Sc	ale	
Measuring	Copper ion (Cu^{2+})	SCU-9100-M	0.0~80.0 g/L, < ±2% Full Scale			
	(Ou)	SCU-9100-H	0.0)~200.0 g/L, < ±2% Full Sca	le	
range		SCU-9100-L	0.00	0~160.00 g/L, < ±2% Full Sc	cale	
	of CuSO.	SCU-9100-M	0.0	0.0~320.0 g/L, < ±2% Full Scale		
	0100004	SCU-9100-H	0.0)~800.0 g/L, < ±2% Full Sca	le	
	Principle			Spectrophotometry		
Display			LCM (graphic menu display) mod	with auto/manual illuminatio e, Trace mode, and Chart m	n function, available for Text ode	
Analog output		t	One isolated DC 0/4~20 mA corresponding to copper ion, max load 500 $\!\Omega$			
Serial interface		e	RS-485 (MODBUS RTU or MODBUS ASCII)			
	Event logbool	k	50 event records			
C/	ottingo	Contact	240 VAC, 0.5A max. (recommended)			
	ettings	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two limited programmable, ON/OFF			
	Mach	Contact	240 VAC, 0.5A max. (recommended)			
N N	774511	Time	On: 0~99min. 59sec, Off: 0~999hr 59min.			
А	mbient tempera	ature		0~50°C		
Power supply		/	SCU-9100-X-220-60: AC 220V(-15~+10%)/60 Hz	SCU-9100-X-220-50: AC 220V(-15~+10%)/50 Hz	SCU-9100-X-110-60: AC 110V(-15~+10%)/60 Hz	
Power consumption			Approx. 30W			
Installation		Platform setting				
Dimensions		405 mm x 321 mm x 253 mm (H \times W \times D)				
Weight			10 kg			
Protection			IP 54			

What's included? 1 key, 3 x 1/8" Pipe Fitting Plugs, 3 x 1/8" pipe fittings



SNI-9100 Nickel Analyzer

Highly reliable, accurate analysis without reagent

SNI-9100 nickel ion analyzer offers precise and reliable measurements and is suitable for the electroplating process of electronics industries. Without reagents, nickel ions are accurately detected through spectrophotometry. SNI-9100 is equipped with a peristaltic pump to realize automatic sampling. Easy to calibrate, the SNI-9100 provides two-point calibration and adjustment of the measured value. In addition to providing the graphic menu and easy operation, the SNI-9100 integrates the advantage of RS model features including measurement curve display, events logbook, and RS-485 interface.



Applications:

- Electroless nickel plating
- Semiconductor manufacturing

Nickel electroplating

PCB manufacturing process

Features:

- Display icons in the menu of the controller to provide intuitive operation
- Easily set up and move to the next step in the process on any platform
- Built-in peristaltic pump for automatic sampling
- The principle of spectrophotometry with different range models
- Measuring without reagent reduces the maintenance frequency and cost
- ♦ LED light source offer a longer lifespan
- ♦ IP 54 waterproof and dustproof design

Model			SNI-9100	
Measuring	Nickel ion (Ni ²⁺)	SNI-9100-L	0.00~40.00 g/L, < ±2% Full Scale	
		SNI-9100-M	0.0~80.0 g/L, < ±2% Full Scale	
range		SNI-9100-H	0.0~200.0 g/L, < ±2% Full Scale	
	Principle		Spectrophotometry	
	Display		LCM (graphic menu display) with auto/manual illumination function, available for Text mode, Trace mode, and Chart mode	
А	nalog outp	out	One isolated DC 0/4~20 mA corresponding to nickel ion, max load 500 $\!\Omega$	
S	erial interfa	ce	RS-485 (MODBUS RTU or MODBUS ASCII)	
Event logbook		ok	50 event records	
Q a this are		Contact	240 VAC, 0.5A max. (recommended)	
Setti	igs	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two limited programmable, ON/OFF	
	ab	Contact	240 VAC, 0.5A max. (recommended)	
vva	SII	Time	On: 0~99min. 59sec, Off: 0~999hr 59min.	
Amb	ient tempe	rature	0~50°C	
F	ower supp	bly	SNI-9100-X-220-60: SNI-9100-X-220-50: SNI-9100-X-110-60: AC 220V(-15~+10%) / 60 Hz AC 220V(-15~+10%) / 50 Hz AC 110V(-15~+10%) / 60 Hz	
Power consumption		ption	Approx. 30W	
Installation		1	Platform setting	
Dimensions		S	405 mm x 321 mm x 253 mm (H × W × D)	
	Weight		10 kg	
	Protection		IP 54	

What's included? 1 key, 3 x 1/8" Pipe Fitting Plugs, 3 x 1/8" pipe fittings

PC-3310 Series pH/ORP Transmitter

Intelligent feature with robust protection

SUNTEX

The PC-3310 series pH/ORP transmitter has rugged IP 65 enclosure and outstanding EMC protection ability. The graphical menu driven operation with setting and calibration information in full text pages provide the extremely ease of use in all functions. The PC-3310 series integrates the advantage of Suntex intelligent transmitter's fine operation feature with the consistent reliability.

Applications:

- Water treatment
- Chemical process
- Biochemical process



- ♦ Scrubber



- pH / ORP, Temperature measurement
- ♦ IP 65 waterproof and dustproof design
- Back-lit LCM display with graphical menu
- PC-3310 series with setting & last cal. info overview
- PC-3310-RS with Text, Chart, and Trace mode display
- Two limited ON/OFF contact output
- Wash function with programmable time-interval control
- Password protection

Model		PC-3310	PC-3310-RS	
Measuring	рН	-2.00 ~ 16.00) pH, ±0.01 (±1 Digit)	
	ORP	-1999 ~ 1999	9 mV, ±0.1%(±1 Digit)	
range	Temperature	-30.0~130.0°C, ±0.2°C (±1 Digit) with temp. error correction function		
Temperature of	compensation	Automatic with Pt-1000 or NTC 30K or manual adjustment		
Input im	pedance	>10 ¹² Ω		
Dia		Large LCM (graphic display) with a	auto-sense backlight and contrast function	
DIS	Jiay	Text mode	Text, Chart or Trace mode	
Analog	output	Isolated DC 0/4~20 mA corre	sponding to pH/ORP, max load 500 Ω	
Temp.	output	Isolated DC 0/4~20 mA	-	
Serial ir	nterface	-	RS-485	
Calibration mode		3 points	5 points	
Event le	ogbook	-	50 event records	
Catagint	Contact	240 VAC, 0.5A max. (recommended)		
Set point	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable	e two limited programmable, ON/OFF	
W/aab	Contact	240 VAC, 0.5A max. (recommended)		
vasn	Time	On: 0~99min. 59sec, Off: 0~999hr 59min.		
Ambient te	emperature	0~50°C		
Storage te	emperature	-20~70°C		
Voltage	output	DC ±12V, 1W Max., for PH-300T(Optional)		
Power	supply	100V~240VAC±10%, 50/60Hz, 8W Max.		
Installation		Wall mounting, Pipe mounting, Panel mounting		
Dimensions		144 mm x 144mm x 115 mm (H x W x D), 1/2 DIN		
Cut off di	mensions	138 mm x 138 mm (H x W)		
We	ight		0.8 kg	
Prote	ection	IP 65 (NEMA 4X)		

What's included? 4 Panel mounting clips, pH4, pH7 buffer solutions, Plastic L shaped electrode holder support base



SUNTEX



EC-4310 Series Conductivity Transmitter

Extreme performance for wide range applications

The EC-4310 series conductivity transmitter has rugged IP 65 enclosure and outstanding EMC protection ability. Wide measurement range up to 2000mS/cm, high resolution up to 0.001μ S/cm, and equipped with salinity and TDS modes, all these functionalities enable its versatile ability in more application fields with the consistent reliability.

Applications:

- ♦ Ultra-pure water
- Cooling water
- Chemical process



- Wastewater
- **Features:**
- Measurement range up to 2,000 mS/cm, resolution up to 0.001µS/cm
- Back-lit LCM display with graphical menu
- ♦ EC-4310 series with setting & last cal. info overview
- ♦ EC-4310-RS with Text, Chart, and Trace mode display
- ♦ Two limited ON/OFF contact output
- Equipped with TDS, Salinity mode
- Password protection

М	odel	EC-4310	EC-4310-RS	
	Conductivity	0.000µS/cm~2000	mS/cm in 7 ranges	
	Conductivity	Auto or Fixed rang	ge, ±1% (±1 Digit)	
	Resistivity	0.00~20.00ΜΩ · α	cm, ±1% (±1 Digit)	
Measuring	Salinity	0.0~70.0 ppt,	±1% (±1 Digit)	
range	TDS	0~19999 ppm ; (0.00~199.99 ppt	
		Pt-1000/Pt-100: -30.0~200.0°C		
	Temperature	NTC-30K: -3	0.0~130.0°C	
		± 0.2 °C (± 1 Digit) (excluding Pt-100)	
	anatant	With temp. erfor c		
Tomporaturo	Componention	Fixed of lifee	r NTC 20K or monual adjustment	
remperature	Compensation	Automatic with Pt-1000/Pt-1000		
Temperatu	ire coefficient	Non-Linear Compensation	ation for natural water	
		Large L CM(graphic display) with auto-sense backlight and contrast function		
Di	splay	Text mode Text Chart or Trace mode		
Analo	a output	Isolated DC $0/4\sim20$ mA corresponding to measurement, max load 5000		
Temp		DC 0/4~20 mA	-	
Serial	interface	-	RS-485	
Event	loabook	_	50 event records	
	Contact	240 VAC, 0.5A max. (recommended)		
Settings	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two	b limited programmable, ON/OFF	
	Contact	240 VAC, 0.5A ma	IX. (recommended)	
Wash	Time	On: 0~99min. 59sec, Off: 0~999hr 59min.		
Ambient	temperature	0~50°C		
Storage t	emperature	-20~70°C		
Power supply		100 ~ 240 VAC ±10%, 50~60 Hz, 7W Max.		
Installation		Wall mounting, Pipe mounting, Panel mounting		
Dimensions		144mm x 144 mm x 115 mm (H x W x D) , 1/2 DIN		
Cut off dimensions		138mm x 138	3 mm (H x W)	
W	eight	0.8	kg	
Prot	tection	IP 65 (NEMA 4X)		

What's included? 4 Panel mounting clips





DC-5310 Series Dissolved Oxygen Transmitter

Versatile and robust

The DC-5310 series transmitter is compatible with wide range applications of oxygen measurement. The graphical menu driven operation with setting and calibration information in full text pages provide the extreme ease of use in all functions. The DC-5310-RS integrates the advantage of RS model features including graphical trace curve, events logbook and RS-485 interface.

Applications:

Wastewater aerationFish farming

Environment
 Fermentation

Features:

- Compatible with WTW pre-amplifier 690 sensor
- Compatible with polarographic analog sensors
- Compatible with trace level(ppb) polarographic sensors
- ♦ IP 65 waterproof and dustproof design
- ♦ DC-5310 series with setting & last cal. info overview, graphical menu
- DC-5310-RS with Text, Chart, and Trace mode display
- Sensor slope status indicator for pre-amplifier sensor
- Salinity correction & atmospheric pressure correction
- Password protection

Model		DC-5310	DC-5310-RS		
	%Saturation	0.0 ~ 600.0%, (Depends on the se	ensor), $\pm 0.5\%$ of reading (± 1 Digit)		
	mg/l, ppm	0.00~60.00 mg/l (ppm), (Depends on t	he sensor), $\pm 0.5\%$ of reading (± 1 Digit)		
ivieasuring	µg/l, ppb	0.0~9999.9 µg/l (ppb), (Depends on th	ne sensor), $\pm 0.5\%$ of reading (± 1 Digit)		
range	O ₂ % Gas	0.00~120.0% O_2 , (Depends on the	sensor), $\pm 0.5\%$ of reading (± 1 Digit)		
	Tomporaturo	0.0~140.0°C, (Depe	ends on the sensor),		
	lemperature	±0.2°C (±1 Digit) with temp	o. error correction function		
Temperature	compensation	NTC 30K or NTC 22K a	NTC 30K or NTC 22K automatic compensation		
Tomporatore	oomponoadom	or manual a	adjustment		
Salinity	correction	0.0 ~ 4	5.0 ppt		
Pressure	e correction	0.500 ~ 2.500 bar or 7.25 ~ 3	36.25 psi manual adjustment		
		500~2500mmHg r	nanual adjustment		
Di	solav	Large LCM (graphic display) with auto-	-sense backlight and contrast function		
Display		Text mode	Text, Chart or Trace mode		
Calibration mode		One point or two points calibration			
Analo	g output	Isolated DC 0/4~20 mA corresponding to measurement, max load 500 Ω			
Temp	o. output	DC 0/4~20 mA	-		
Serial	interface	-	RS-485		
Event	logbook	-	- 50 event records		
Set noint	Contact	240 VAC, 0.5A ma	x. (recommended)		
Oct point	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two	o limited programmable, ON/OFF		
W/ach	Contact	240 VAC, 0.5A ma	240 VAC, 0.5A max. (recommended)		
VVaSIT	Time	On: 0~99min. 59sec,	, Off: 0~999hr 59min.		
Ambient	temperature	0~50°C			
Storage 1	temperature	-20~70°C			
Voltag	je output	DC ±8V, Max 0.5W			
Powe	er supply	100 ~ 240 VAC±10%, 50~60 Hz, 8W Max.			
Installation		Wall mounting, Pipe mounting, Panel mounting			
Dime	ensions	144 mm x 144mm x 115	mm (H x W x D), 1/2 DIN		
Cut off o	dimensions	138 mm x 138	8 mm (H x W)		
W	eight	0.8	kg		
Pro	tection	IP 65 (NE	IP 65 (NEMA 4X)		



What's included? 4 panel mounting clips, Plastic L-shaped electrode holder support base

CT-6310-RS Chlorine/Ozone Transmitter

For all range sanitary applications

SUNTEX

The CT-6310-RS transmitter has rugged IP 65 enclosure and outstanding EMC protection ability. When combining with the residual chlorine electrode / ozone electrode, and a flow-chamber, the complete system is extremely powerful for detecting the free chlorine or ozone in all kinds sanitary applications. The transmitter integrates the advantage of RS model features including graphical trace curve, events logbook and RS-485 interface.

Applications:

- Recycled water
- Cooling water

Drinking water

- Wastewater
- ♦ Swimming pool
- Beverage bottle disinfection

Features:

- Compatible with membrane covered, 2-wire current type Cl₂ or O₃ electrode
- Compatible with membrane covered, 4-wire voltage type Cl₂ electrode
- ♦ IP 65 waterproof and dustproof design
- Back-lit LCM display with graphical menu
- Setting & last cal. info overview
- Text, Chart, and Trace mode display
- One analog output and one RS-485 interface
- LED indication alarm or wash status signal
- Password protection

Model		CT-6310-RS	
Measuri	ng mode	Residual Chlorine / Ozone / Temperature	
	Cl2	0.000~100.0 ppm (mg/l) ±0.5% (±1 Digit), depends on sensor	
Measuring	Оз	0.00~20.00 ppm (mg/l) ±0.5% (± 1Digit), depends on sensor	
range	Temperature	-30 ~ 130°C, ±0.2°C (± 1Digit) with temp. error correction function	
Resc	olution	Cl₂: 0.001 / 0.01 / 0.1ppm(mg/l), O₃: 0.01ppm(mg/l), Temp.: 0.1°C	
Temperature	compensation	Automatic with Pt-1000 / NTC-30K or manual adjustment	
pH com	oensation	Automatic compensation / Manual adjustment / Off	
Dis	play	Large LCM (graphic display) with auto/manual illumination function, Text, Chart, Trace mode	
Analog	g output	Isolated DC 0/4~20 mA corresponding to Cl_2/O_3 measurement, max load 500 Ω	
Serial interface		RS-485 (MODBUS RTU or MODBUS ASCII)	
Event logbook		50 event records	
Sat paint	Contact	240 VAC, 0.5A max. (recommended)	
Set point	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two limited programmable, ON/OFF	
Mach	Contact	240 VAC, 0.5A max. (recommended)	
VVaSIT	Time	On: 0~99min. 59sec, Off: 0~999hr 59min.	
Ambient te	emperature	0~50°C	
Storage te	emperature	-20~70°C	
Voltage	e output	DC±8V Max. 0.5W max.	
Power	supply	100V~240VAC±10%, 50/60Hz, 8W Max.	
Insta	llation	Wall mounting, Pipe mounting, Panel mounting	
Dimensions		144 mm x 144mm x 115 mm (H x W x D), 1/2 DIN	
Cut off d	imensions	138 mm x 138 mm (H x W)	
We	eight	0.8 kg	
Prote	ection	IP 65 (NEMA 4X)	

What's included? 4 Panel mounting clips





TC-7310-RS Turbidity/S.S. Transmitter TC-7310-RS-M MLSS Transmitter

Intelligent feature with robust protection

The TC-7310 series Turbidity/Suspended Solids and MLSS transmitters have rugged IP 65 enclosure and can be installed at control panel or outdoors. When combining with a turbidity/S.S. or MLSS sensor, and an immersive holder, the complete system is able to provide reliable measurement in a typical wastewater open tank installation. The TC-7310 series integrates the advantage of Suntex intelligent transmitter's fine operation feature with the consistent reliability.

Applications:

- Nastewater effluent
- Raw / Cooling water

Sludge concentration / level
 Activated / Digestion sludge

Features:

- Turbidity / S.S. measurement(TC-7310-RS)
- ♦ MLSS measurement(TC-7310-RS-M)
- ♦ IP 65 waterproof and dustproof design
- ♦ Back-lit LCM display with graphical menu
- ♦ Setting & last cal. info overview
- ♦ Text, Chart, and Trace mode display
- TC-7310-RS-M with activated and digested sludge calibration matrix
- Sensor wiper setting program
- Password protection

Model		TC-7310-RS	TC-7310-RS-M	
Measurement mode		Turbidity/Suspended Solids	MLSS	
Measuring unit		Turbidity: NTU, FTU, FNU Suspended solids: ppm, mg/l	ppm, mg/l	
Measuring range		0.00~100.00 NTU (TC-100 sensor) 0.0~500.0 NTU (TC-500 sensor) 0~3000 NTU (TC-3000 sensor) 0.0~1000.0 mg/l (ppm) (TCS-1000 sensor)	0~50,000 mg/l (ppm) (TS-MxS-A sensor)	
Calibratic	on Mode	Standard solution up and correction factor ca	to 5 points calibration libration (for S.S., MLSS)	
Electroc	de Zero	Sensor internal zero point c	orrection activation function	
Disp	olay	Large LCM (graphic display) with auto/manua	I illumination function, Text, Chart, Trace mode	
Analog	output	Isolated DC 0/4~20 mA correspondi	ng to measurement, max load 500 Ω	
Serial in	terface	RS-485 (MODBUS RT	U or MODBUS ASCII)	
Event lo	ogbook	50 event records		
Sat point	Contact	240 VAC, 0.5A max. (recommended)		
Set point	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two limited programmable, ON/OFF		
Mach	Contact	240 VAC, 0.5A max. (recommended)		
VVaSIT	Time	On: 0~99min. 59sec, Off: 0~999hr 59min.		
Ambient te	mperature	0 ~ 50°C (Sensor working temp.: 0~40°C)		
Sensor	Wiper	Auto, sensor internal function for fixed 10 min per wipe, or 30min per wipe(for TC-100 sensor only) Manual, setting from 2~9 min per wipe or 2~29 min per wipe (for TC-100 sensor only)		
Ambient te	mperature	Transmitter: 0~50°C; Sensor: 0~40°C		
Storage ter	mperature	-20 ~ 70°C		
Voltage	output	DC ±12V DC ±24V		
Power supply		100 V~240 VAC ±10%, 8W max., 50/60 Hz		
Installation		Wall mounting, Pipe mounting, Panel mounting		
Dimen	isions	144 mm x 144mm x 115 mm (H x W x D), 1/2 DIN		
Cut off dir	mensions	138 mm x 13	8 mm (H x W)	
Wei	ght	0.8	kg	
Protection		Transmitter: IP65 (NEMA 4X); Sensor: IP68 (max. depth of 2m underwater)		







IT-8310-RS Ion Transmitter

Proven performance for demanding fields

The new IT-8310-RS ion transmitter has rugged IP 65 enclosure and can be installed at control panel or outdoors. When combining with a fluoride ion selective electrode and an immersive holder, the complete system is extremely powerful of detecting the F⁻ ion in wastewater effluent of semiconductor, solar panel, LCD industries. The new IT-8310-RS ion transmitter integrates the advantages of Suntex intelligent transmitter's fine operation feature with the consistent reliability.

Applications:

• Wastewater effluent of semiconductor, solar panel, and LCD industries

Features:

- Ion-selective method provides real-time monitoring, reduces pre-treatment & consumable cost
- ♦ 2~5 points calibration equipped with Iso-potential point compensation
- Back-lit LCM display with graphical menu
- IP 65 waterproof and dustproof design
- One analog output and one RS-485 interface
- Two limited ON/OFF contact output
- pX mode in accordance with specific measuring unit application
- Password protection

Model		IT-8310-RS	
Method		Ion selective electrode method	
lon type		X / X ⁻ / X ⁺ / X ⁺⁺	
Measurir	ng mode	Ion / mV / Temp.	
	mg/L (ppm)	0.00 ~ 99,999 mg/L (ppm)	
Measuring	рΧ	0.00~20.00 pX, ±0.01 pX (±1 Digit)	
ranges	mV	-1999~1999 mV, ±0.1% (±1 Digit)	
	Temperature	-30.0~130.0°C, \pm 0.2°C (\pm 1 Digit) with temp. error correction function	
Tomporaturo	Componention	Automatic with Pt-1000 or NTC 30K Ω	
Temperature C	Jompensation	Manual adjustment / OFF	
Calibratio	on mode	2~5 points calibration equipped with Iso-potential point compensation	
Input impedance		$> 10^{12} \Omega$	
Display		Large LCM(graphic display) with auto/manual illumination function, Text, Chart, Trace mode	
Analog Output		Isolated DC 0/4~20 mA corresponding to Ion/mV measurement, Max. load 500 Ω	
Logk	book	50 event records	
Serial Ir	nterface	RS-485 (MODBUS RTU or ASCII)	
Sotting	Contact	240VAC, 0.5A max. (recommend)	
Setting	Activate	Hi/Lo, Hi/Hi, Lo/Lo selectable two limited programmable, ON/OFF	
Maab	Contact	240VAC, 0.5A max. (recommend)	
VVaSIT	Activate	ON: 0~99min. 59sec., OFF: 0~999 hours 59min.	
Ambient Te	emperature	0~50°C	
Storage Te	emperature	-20~70°C	
Voltage	Output	DC±12V, 1W Max.	
Power	Supply	100V~240VAC±10%, 8W Max., 50/60Hz	
Instal	lation	Wall / Pipe / Panel Mounting	
Dimensions		144mm × 144mm × 115mm (H×W×D), 1/2 DIN	
Cut off Di	mensions	138 mm × 138 mm (H × W)	
Wei	ight	0.8kg	
Prote	ection	IP65 (NEMA 4X)	

ELMT EL DN Transmitter IT-4310-RS

What's included? 4 Panel mounting clips, Plastic L shaped electrode holder support base



PC-100/PC-110 pH/ORP Panel Meter

Compact and Pragmatic

The PC-100 & PC-110 pH/ORP panel meters utilize microprocessor technology to provide enhanced capabilities with economic price. The compact design fits in small space installation. The PC-100 features sample monitoring and the PC-110 offers one relay output to sufficiently activate your process system.

Applications:

- Water treatment
- Pure water system
- Clean room
- Wastewater treatment
- Scrubber
- Electronics process

Features:

- ♦ 48 x 96 mm Microprocessor pH/ORP Monitor & Controller
- ♦ Sensor slope performance diagnosis & error message
- ♦ User-friendly operation
- ♦ Automatic temperature compensation
- Compatible with Pt-1000 and NTC 30K temperature probe
- Isolated current output DC 0/4~20mA
- ♦ Gradually continuous sample measurements average function to enhance stability
- ♦ PC-110 offers one relay contact output, one set point with programmable hysteresis function

Model		PC-100	PC-110		
Measuring	рН	-2.00 ~ 16.00 pH, ±0.01 pH (± 1Digit)			
	OBP	-1999 ~ 1999 m\/	(+0.1%)(+1)		
& Accuracy	Temperature	-30.0~130.0°C +0.2°C(+ 1Digit) w	with temp. error correction function		
Temperature (Automatic with Pt 1000 or NTC 20K or manual adjustment			
largentingen					
input imp	pedance	> 10	5 22		
Display		LCD d	lisplay		
Analog output		Isolated DC 0/4~20 mA corresponding to measurement, max load 500 $\!\Omega$			
Catagint	Contact	-	240 VAC, 0.5A max.		
Set point	Activate	-	Hi/Lo one ON/OFF relay output		
Working te	emperature	0~50°C			
Storage er	nvironment	-10~70°C			
Power	Supply	100V~240VAC±10%, 50/60Hz, 3W Max.			
Installation		Panel mounting			
Dimensions		48 mm x 96mm x 110 mm (H x W x D), 1/8 DIN			
Cut off dimensions		44 mm x 92 mm (H x W)			
Weight		0.25 kg			

What's included? 2 Panel mounting clips





EC-410/EC-430 Conductivity Monitor

Compact and Pragmatic

The EC-410 & EC-430 conductivity monitors utilize microprocessor technology to provide enhanced capabilities with economical price. The compact design fits in small space installation. The EC-410 features for water quality monitoring and the EC-430 offers one relay output to sufficiently activate your process system.

Applications:

- RO system
- Cooling water
- Industrial process
- Boiler feed water
 Ultra-pure water
- cess **(** Water treatment
- **Features:**
- ♦ 48 x 96 mm Microprocessor Water Quality Monitor & Controller
- Compatible with both conductivity and resistivity measurement
- Compatible with 2-Electrode or 4-Electrode sensors
- Automatic temperature compensation
- Compatible with Pt-1000 and NTC 30K temperature probe
- Linear and non-linear temperature coefficient
- Isolated current output DC 4~20mA
- Gradually continuous sample measurements average function to enhance stability
- EC-430 offers one relay contact output, one set point with programmable hysteresis function

Model		EC-410	EC-430		
Measuring Range	Conductivity	0.00µS/cm~200.0 mS/cm	in 5 ranges , ±1% (±1 Digit)		
	Resistivity	0.00~20.00MΩ·cr	m, ±1% (±1 Digit)		
& Accuracy	Temperature	-30~130.0°C, \pm 0.2°C (\pm 1 Digit) with temp. error correction function			
Cell cc	onstant	0.01, 0.05, 0.1, 0.5, 10.00 cm ⁻¹ fixed, freely selectable 0.008~19.99cm ⁻¹			
Temperature (Compensation	Automatic with PT-1000 or N	ITC 30K or no compensation		
Temperature	Conductivity	Non-Linear c Linear compensatior	Non-Linear compensation Linear compensation from 0.00~40.00%		
coefficient	Resistivity	Non-Linear compensation			
Display		LCD display			
Analog	output	Isolated DC 4~20 mA corresponding to measurement, max load 500 $\!\Omega$			
Sotting	Contact	-	240 VAC, 0.5A max.		
Setting	Activate	-	Hi/Lo one relay output		
Ambient te	emperature	0 ~ 50°C			
Storage te	mperature	-20 ~ 70°C			
Power	Supply	100V~240VAC±10%, 50/60Hz, 5W Max.			
Installation		Panel mounting			
Dimensions		48 mm x 96 mm x 110 mm (H x W x D), 1/8 DIN			
Cut off dimensions		44 mm x 92 mm (H x W)			
Weight		0.25 kg			

What's included? 2 Panel mounting clips





PC-300A Series pH/ORP Transmitter

Easy & reliable wastewater pH/ORP control

The PC-300A series pH/ORP transmitter provides easy and reliable operation and performance, especially suitable for wastewater application. PC-320A provides Hi1, Hi2, Lo1, Lo2 four relays control for special needs in controlling devices. PH-300T acts as an accessorial field transmitter to extend cable transmission up to 100m for synchronized field display and calibration work.

Applications:

Water & Wastewater
Scrubber

Features:

- ♦ pH / ORP measurement
- Intuitive tuning-knob calibration and relay setting, easy for weekly wastewater calibration work
- Enhanced standby function protects from inadvertent operation
- Two(PC-310A) or four(PC-320A) ON/OFF contact outputs
- Two/three wires distribution design, possible for connecting solution ground to reduce filed signal interference
- ♦ LED indication alarm

Model		PC-310A	PC-320A	PH-300T
Measuring	рН	C	0.00 ~ 14.00 pH, ±0.01 (±1 Digi	t)
range	ORP	-1	jit)	
Auto temp. c	compensation	Automatic with NTC 30K probe		Automatic with Pt-1000
Manua	al temp.	25°C fixed temperature compensation		
compe	ensation	Fixed ter	nperature compensation with re	esistance
Input im	pedance		$> 10^{12} \Omega$	
Dis	play	0.8 inc	h LCD	0.5 inch LCD
Analog output		Isolated DC 4~20 mA corresponding to 0~14 pH or -1000~+1000mV		Low impedance DC voltage output o DC 4~20mA output
	Relays	2 x Relays	4 x Relays	
Set point	Contact	2A max. (recommended)		
	Activate	Hi/Lo	Hi1/Hi2/Lo1/Lo2	
Functio	n check	Fixed 4 or 20mA analog output and relay test		
Ambient te	emperature	0~50°C		
Storage te	emperature	-20~70°C		
Voltage	e output	DC ±12V, 1W Max. for PH-300T (Optional)		
Power	supply	100V~240VAC±10%, 50/60Hz, 6W Max.		DC 32V, 3W Max.
Installation		Panel mounting		Wall or pipe mounting
Dimensions		144 mm x 144 mm x 225 mm (H x W x D), 1/2 DIN		70 mm x 110 mm x 45 mm (H x W x D)
Cut off di	imensions	135 mm x 13	5 mm (H x W)	
We	eight	1.2 kg		0.4 kg

What's included? (PC-310A/PC-320A) Panel mounting kit, pH4, pH7 buffer solutions, Plastic L shaped electrode holder support base







pH/ORP Transmitter Accessories

PH-300T Accessorial pH / ORP Transmitter

The PH-300T accessorial pH/ORP transmitter is designed for signal enhancement when distance from sensor to original transmitter is over 30m, or when environment is interfered by electromagnetic and so on.



Immersive p	protection holders
Model	Description
8-09-5 +PP-100A	Protective Electrode Holder for pH/ORP electrode, 1M Incl. Junction Box
8-09-5 + PP-100AN	Protective Electrode Holder for pH/ORP electrode with NTC 30K temperature probe, 1M, Incl. Junction Box
8-09-5 + PP-100AP	Protective Electrode Holder for pH/ORP electrode with PT-1000 temperature probe, 1M, Incl. Junction Box
Extension c	able for sensors
Model	Description
RG-58	Extension cable for pH/ORP sensor (per meter)
F94009-BK	Extension cable for pH/ORP sensor with temperature probe or solution ground probe (per meter)
Electrode ho	ousings
Model	Description
8-IF03PVC	pH/ORP sensor inline housing
8-TF03	pH/ORP sensor bypass chamber
8-010110-04	Alternative fixed cable pH/ORP sensor flow-through chamber
Immersive p	protection holder's optional accessories
Model	Description
8-26-7	Plastic L shaped sensor holder support base
00416A	Stainless L shaped sensor holder support base (Stainless support base is designed for PP electrode holders whose length is longer than 1 meter; or for PP electrode holders which are immersed in a running basin.)
8-CH-10	pH/ORP sensor auto clean kit
8-SF01	Protection holder float for measurement in variable water levels or in lakes, etc.
Standard bu	iffers
Model	Description
8-03	Buffer solution, pH4.01, 500 ml
8-04	Buffer solution, pH7.00, 500 ml
8-23	Buffer solution, pH10.00, 500ml
8-13	3 mol/l KCl solution, 500ml
Simulator	
Model	Description
PS150	pH/mV signal simulator
Sun shield	
Model	Description
8-35 + 8-35-1	Sun shield for 1/2 DIN transmitter with Pipe mounting kit
8-35 + 8-35-2	Sun shield for 1/2 DIN transmitter with Wall mounting kit
8-35-3	Sun shield adapter kit for 1/4 DIN transmitter



8-241 Series Conductivity Sensor

For medium to high conductivity solutions

The 8-241 series conductivity sensors apply the state of art 4-Electrode measurement principle to accurately measure medium to high conductivity solutions. Its modular cable and sensor design provides the most convenience of sensor re-installation. The improved high temperature tolerance feature makes the 8-241 series sensors more durable in even more applications. The 8-241-01 sensor is a HF resistant sensor for some of electronics industry process application.



Specifications

Model	8-241	8-241-01
Туре	4-electrode sensor	4-electrode sensor
Range	20.00µS/cm~500.0mS/cm	20.00µS/cm~500.0mS/cm
Working temp.	0~120°C	0~120°C
Pressure range at 25°C (77°F)	0~7 bar	0~7 bar
Electrode material	Titanium	Monel
Body material	PPS	PPS
HF resistant electrode	-	Yes
Temperature sensor	NTC 30K	NTC 30K
Cell constant	0.5 cm ⁻¹	0.5 cm ⁻¹
Process connection	3/4" NPT	3/4" NPT
Insertion length	40 mm	40 mm
Max. length	121 mm	121 mm
Compatible cable length	5, 10, 20, 30m	5, 10, 20, 30m

Note: High conductivity range limitation depends on the transmitter

Accessory

Sensor Connection				
Model	8-TF01			
Description	3/4" NPT T-Connector			
Cable				
Model	8-105	8-110	8-120	8-130
Cable length	5 m	10 m	20 m	30 m





8-TF01 T-Connector



Cable



8-22X Series Resistivity Sensor

For pure water applications

The 8-22X series resistivity sensors are designed for measuring very low conductivity solutions. With different cell constant, the 8-22X sensors provide different range of the ultra-pure/pure water measurement. Its modular cable and sensor design provide the most convenience of sensor re-installation.



Specifications

Model	8-221	8-222	8-223
Туре	2-electrode sensor	2-electrode sensor	2-electrode sensor
Typical application	Ultra-pure water	Pure water	R.O. system
Range (µS/cm) (MΩ∙cm)	0.05~20.0µS/cm 0.00~20.00MΩ∙cm	0.05~100.0µS/cm 0.00~18.00MΩ∙cm	0.1~200.0µS/cm 0.00~10.00MΩ∙cm
Working temp.	0~70°C	0~70°C	0~70°C
Pressure range at 25°C (77°F)	0~7 bar	0~7 bar	0~7 bar
Electrode material	Titanium	Titanium	Titanium
Body material	CPVC	CPVC	CPVC
Temperature sensor	NTC 30K	NTC 30K	NTC 30K
Cell constant	0.01 cm ⁻¹	0.05 cm ⁻¹	0.1 cm ⁻¹
Process connection	3/4" NPT	3/4" NPT	3/4" NPT
Insertion length	63 mm	63 mm	48 mm
Max. length	144 mm	144 mm	129 mm
Compatible cable length	5, 10, 20, 30m	5, 10, 20, 30m	5, 10, 20, 30m



T-Connector



8-TF02 Bypass chamber

Accessory

Sensor Connection				
Model	8-TF01		8-TF02	
Description	3/4" NPT T-Connector		3/4" NPT bypass chamber	
Cable				
Model	8-105	8-110	8-120	8-130
Cable length	5 m	10 m	20 m	30 m







Fixed Cable Resistivity/Conductivity Sensor

8-11 Series Resistivity Sensor 8-244 Series Conductivity Sensor

SUNTEX

The 8-11 Series resistivity cells features in both economic fixed cable and robust design. The cells are designed for measuring in low conductivity solutions such as pure water application. The 8-244 series applies 4-electrode technology for measuring medium to high conductivity solution and provides wide application suitability.



Specifications

Model	8-11-3	8-11-4	8-244-10	8-244-30
Туре	2-electrode sensor	2-electrode sensor	4-electrode sensor	4-electrode sensor
Range	100.0μS/cm ~ 18.00MΩ∙cm	100.0μS/cm ~ 18.00MΩ∙cm	20.00µS/cm~ 500.0mS/cm*	20.00µS/cm~ 500.0mS/cm*
Working temp.	0~45°C	0~45°C	0~70°C	0~70°C
Pressure range at 25°C	0~7 bar	0~7 bar	0~7 bar	0~7 bar
Electrode material	SS 316L	SS 316L	Epoxy/Graphite	Epoxy/Graphite
Temperature sensor	NTC 30K	NTC 30K	NTC 30K	NTC 30K
Cell constant	0.05 cm ⁻¹	0.05 cm ⁻¹	0.3 cm ⁻¹	0.3 cm ⁻¹
Process connection	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Insertion length	88 mm	88 mm	82 mm	82 mm
Cable length	10 m	20 m	10 m	30 m

*Note: High conductivity range limitation depends on the transmitter

Accessory

Sensor Connection	
Model	8-TF021
Description	1/2" NPT bypass chamber



8-TF021 Bypass chamber



SSUNTEX

8-201 Inductive Conductivity Sensor

For aggressive chemical solutions

The 8-201 sensor is an inductive (toroidal) conductivity sensor designed for use in medium to very high conductivity, high fouling or coating, and corrosive solutions. By encapsulating the sensing elements in chemical-resistant PFA material, this sensor can be integrated into process systems that require long lifespan, reliable conductivity or chemical concentration measurement, especially in harsh conditions and aggressive solutions.



Specifications

Model	8-201-PFA-10
Туре	Inductive
Range	0 ~ 2000 mS/cm
Working temp.	-20~130°C
Pressure range	0~16 bar (0~232 psi)
Sensor material	PFA
Sealing material	FEP
Temperature sensor	Pt-1000
Cell constant	2.7cm ⁻¹
Process connection	G 3/4"
Min. immersive depth	114 mm
Max. length	187 mm
Cable length	10 m

Accessory

Flange Installation		
Model	Description	
5418105	Flange gasket	
5710040	DN50 flange	
8-TF201	Flow chamber	
Tee Installation		
Model	Description	
5419061	Bushing (2"-3/4")	
Immersive Holder Installation		
Model	Description	
5419060	Holder adapter (1"-3/4")	
7202-DO-100	Protective Sensor Holder, 1M	
8-09-4	Round waterproof cap	





8-201-PFA-10



D.O. Transmitter Accessories

D.O. sensor	
Model	Description
690	D.O. Sensor, with 7m cable, (0~60.0mg/l, 0~50°C, incl. 2 extra replacement membrane)
620	Replacing membrane kit for D.O. Sensor (2pc)
Immersive prote	ction holder
Model	Description
8-09-4 + DO-100	Protective Sensor Holder for D.O. sensor, 1M Incl. Junction box
Immersive prote	ction holder's optional accessory
Model	Description
8-26-7	Plastic L shaped sensor holder support base
00416A	Stainless L shaped sensor holder support base (For immersion in a running basin)
8-SF01	Protection holder float for measurement in variable water levels or in lakes, etc.
8-CH-20	D.O. sensor head auto clean kit
Extension cable	for sensor
Model	Description
F94008-G	Extension cable for 690 D.O. sensor (per meter)
Sun shield	
Model	Description
8-35 + 8-35-1	Sun shield for 1/2 DIN transmitter with Pipe mounting kit
8-35 + 8-35-2	Sun shield for 1/2 DIN transmitter with Wall mounting kit
8-35-3	Sun shield adapter kit for 1/4 DIN transmitter





8-SF01 with holder base

Residual Chlorine Transmitter Accessories

CT-6310-RS Residual chlorine sensor			
Model	Description		
7207-9149584	CLE 2.2-4P Residual Chlorine Sensor, 0-20ppm, (pH5.5~8.0), 5~45°C, Incl. 1 membrane cap, 100mL electrolyte,		
7207-818470.7	Cable for CLE 2.2-4P Residual Chlorine Sensor (10m)		
FCL-510	Residual Chlorine Sensor, 0-10ppm, (pH5.5~8.5), 0~45°C, Incl. 2 membrane cap & band, 2 each 30mL refill, a cathode polishing squares, fixed cable: 10ft (3m),		
8-TF-04	Flow through chamber for FCL-510 chlorine sensor		
CT-6110-POL Spa	are parts and accessories		
Model	Description		
8-CL-01	Residual chlorine sensor (0~3 ppm, operating range pH5~9)		
8-40	Ceramic beads pack		
8-41	Housing of pH sensor for chlorine bypass chamber		
5332026	Motor shield cover		



CLE 2.2-4P Chlorine Sensor FCL-510 Chlorine sensor



8-TF04 Flow through chamber



Turbidity/S.S./MLSS Transmitter Accessories

I	Turbidity/Suspended solids/MLSS sensor		
İ	Model	Description	
	TC-100	0~100 NTU Turbidity Sensor, 0 ~ 40°C, cable length 10m, Immersion in open tanks	
	TC-500	0~500 NTU Turbidity Sensor, 0 ~ 40°C, cable length 10m, Immersion in open tanks	
	TC-3000	0~3000 NTU Turbidity Sensor, 0 ~ 40°C, cable length 10m, Immersion in open tanks	
	TCS-1000	0~1000 mg/l Suspended Solids sensor, 0 ~ 40°C, cable length 10m, Immersion in open tanks	
	TS-MxS-A	0~50,000 mg/l MLSS sensor, 0 ~ 40°C, cable length 9m, Immersion in open tanks	
	Immersive prot	tection holder	
I	Model	Description	
	8-09-4 + 8-36 + DO-100 8-09-4 + 8-36-1	Protective sensor holder for Turbidity/S.S. sensor of TC-7310-RS transmitter, 1M, Incl. Junction box Protective sensor holder for MLSS sensor of TC-7310-BS-M	
	+ DO-100	transmitter, 1M, Incl. Junction box	
	Immersive prot	tection holder's optional accessories	
	Model	Description	
	8-26-7	Plastic L shaped sensor holder support base	
	00416A	Stainless L shaped sensor holder support base	
	8-SF01	Protection holder float for measurement in variable water levels or in lakes, etc.	
ļ	Sun shield		
	Model	Description	
	8-35 + 8-35-1	Sun shield for 1/2 DIN transmitter with Pipe mounting kit	
	8-35 + 8-35-2	Sun shield for 1/2 DIN transmitter with Wall mounting kit	





Turbidity sensor with holder

Ion Transmitter Accessories

F ⁻ Ion sensor			
Model	Description		
8-PROCESS_F	F^- ISE combination electrode (measuring free F^- ion in solutions) with ATC, 5m cable, range: 0.20~20000ppm F^- , limitation: pH 5~10, conductivity: min. 500 μ S/cm, flow rate: 1~20cm/s, Temp.:0~50°C		
Immersive prote	ction holder		
Model	Description		
8-09-5 + PP-100F	Protective Electrode Holder for F [−] sensor, 1M, Incl. Junction box		
Immersive prote	Immersive protection holder's optional accessories		
Model	Description		
F94009-BK	Extension cable for F ⁻ ION sensor (per meter)		
8-26-7	Plastic L shaped sensor holder support base		
00416A	Stainless L shaped sensor holder support base		
Standard solution	n		
Model	Description		
27503-13	F ⁻ ion standard solution 1000ppm, 475 ml		





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