Intelligent Dissolved Oxygen Transmitters

DC-5310 / DC-5310-RS

SSUNTEX

2.08 mg/l

AM 09:27
2015/10/20

ATC
24.9 °C

RELAY1   B.L.   WASH   RELAY2

Setup   Cal.   Mode   ▭   Enter

Dissolved Oxygen Transmitter DC-5310   S/N:151033001

HOLD   Product Adj.   SSUNTEX

μg/l
ppb
mg/l
ppm   °C

SET:Back   ▲:⬆   ▼:⬇   ENT:Enter

Information   SSUNTEX
1. Cal.Time:2015/01/01 00:07
2. Type:Pre-amplifier
3. Cal.Pressure:1.013bar
4. Cal.Temperature:25.0°C
5. Relative Slope:1.00
6. Concentration:8.23mg/l
7. Return:Auto,03m:00s

ESC:Back   ENT:Enter

Applications:

- Water and wastewater treatment
- Environment
- Fermentation
- Industrial process

Features:

- 144 x 144mm Intelligent D.O. transmitter
- Compatible with WTW TriOxmatic pre-amplifier analog D.O. sensors
- Compatible with Mettler Toledo polarographic analog D.O. sensors
- Measuring unit: Saturation%, O_2%, ppm, mg/l, ppb, μg/l
- Salinity correction & Atmospheric pressure correction
- User-friendly operation with text and graphic illustration, clear signs and easy to understand
- Large LCM graphic display with auto-sense backlight and contrast setting function
- Simultaneous display of measurement value and temperature
- Sensor performance diagnosis display
- Automatic temperature compensation with NTC30K or NTC22K
- Product adjustment function allows online calibration
- Two sets of isolated current output DC 0/4~20mA, Max.500Ω
- Hi/Lo, Hi/Hi, Lo/Lo selectable two limited contact outputs with programmable set-points and hysteresis
- Gradually continuous sample measurements average function enhances stability
- With password and multi-key design—security protection enhancement
- Automatic sensor clean function with programmable time interval
- Three separate LED indicated alarms for recognition at a glance even from far place
- IP 65 (NEMA 4X) waterproof and dustproof design

WTW D.O. sensor

Mettler Toledo D.O. sensor

DC-5310-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 events logbook function and error diagnosis record
- Equipped with one analog output and RS-485 interface

SSUNTEX
ISO 9001 Certified

Intelligent Dissolved Oxygen Transmitters
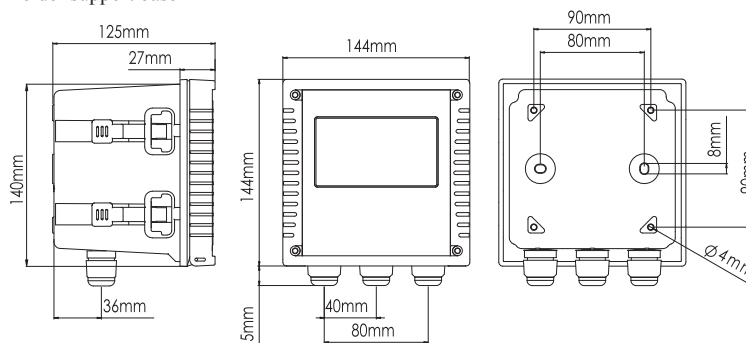## DC-5310 / DC-5310-RS

Specifications:

Model		DC-5310	DC-5310-RS
Measuring mode		% / O$_2$% / ppm / mg/l / ppb / µg/l / Temp.	
Measuring range	% Saturation	0 ~ 600%, (Depends on the sensor)	
	O$_2$% Gas	0~120% O$_2$ (Depends on the sensor)	
	mg/l, ppm	0~60.00 mg/l (ppm) (Depends on the sensor)	
	µg/l, ppb	0~9999.9µg/l (ppb) (Depends on the sensor)	
	Temp.	0~140°C (Depends on the sensor)	
Resolution	% Saturation	0.1 %	
	O$_2$% Gas	0.01 %	
	mg/l, ppm	0.01 mg/l (ppm) / 0.001 mg/l (ppm)	
	µg/l, ppb	0.1µg/l (ppb) / 1 µg/l (ppb)	
	Temp.	0.1°C	
Accuracy	% Saturation	±0.5% of reading (±1 Digit)	
	O$_2$% Gas		
	mg/l, ppm		
	µg/l, ppb		
	Temp.	±0.2°C±1Digit with temperature error correction function	
Temperature Compensation		NTC 30K or NTC 22K automatic compensation or manual adjustment	
Salinity correction		0.0 ~ 45.0 ppt	
Pressure correction		0.500~2.500 bar / 7.25~36.25 psi / 500~2500 mmHg manual adjustment	
Ambient temperature		0~50°C	
Storage temperature		-20~70°C	
Display		Large LCM with sensitization sensor for auto/manual illumination function and contract function	
		Text mode	Text mode, Chart mode, Trace mode
Analog output 1		Isolated DC 0/4~20mA corresponding to measurement, max. load 500W	
Analog output 2		Isolated DC 0/4~20mA corresponding to temperature, max. load 500W	-
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)	
	Time	ON: 0~99 min. 59 sec. OFF: 0~999 hours 59 min.	
Voltage output		DC±8V Max. 0.5W	
Power supply		100V~240VAC ±10%, 50/60Hz, 8W Max.	
Installation		Wall or Pipe or Panel mounting	
Dimensions		144 mm × 144 mm × 115 mm (H × W × D)	
Cut out dimensions		138 mm × 138 mm (H × W)	
Weight		0.8Kg	
Protection		IP 65 (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. D.O. sensor
2. Membrane kit
3. Electrolyte & Clean solution
4. Immersive protection holder
5. Junction box
6. Extension cable
7. Auto clean kit
8. Stainless holder support base
9. Sun shield for wall or pipe mounting

SUNTEX SUNTEX INSTRUMENTS CO., LTD.

IntertechRio
instrumentação-controle de processo

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