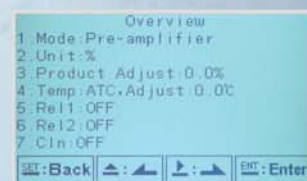


# Intelligent Dissolved Oxygen Transmitters

## DC-5110/DC-5110RS



### Applications:

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

### Features:

- Waterproof and dustproof design
- 96 x 96mm microprocessor D.O. transmitter
- Compatible with WTW TriOxmatic D.O. sensors or Mettler Toledo InPro D.O. sensors
- Measuring unit: %, ppm, mg/l
- Salinity correction & Atmospheric pressure correction
- User-friendly operation with text and graphic illustration, clear signs and easy to understand
- Large LCM display with auto-sense backlight and contrast setting function
- Sensor slope performance display
- Sensor self diagnosis for TriOxmatic 700 D.O. sensor
- Simultaneous display of measurement value and temperature
- Automatic temperature compensation
- 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
- With password and multi-key design, enhanced security protection
- Automatic sensor clean function with programmable time interval
- LED indicated alarm or washing status signal
- IP 65 (NEMA 4X)



Mettler Toledo D.O. sensor

### DC-5110RS 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



# Intelligent Dissolved Oxygen Transmitters

## DC-5110/DC-5110RS

### Specifications:

Model		DC-5110	DC-5110RS
Measuring mode		% / ppm / mg/L / TEMP.	
Measuring range	%	0 ~ 600% (Depends on the sensor)	
	mg/L	0~60.00 mg/L (Depends on the sensor)	
	ppm	0~60.00 ppm (Depends on the sensor)	
	Temp.	0~140°C (Depends on the sensor)	
Resolution	%	0.1 %	
	mg/L	0.01 mg/L / 0.001 mg/L	
	ppm	0.01 ppm / 0.001 ppm	
	Temp.	0.1°C	
Accuracy	%	±0.5%±1Digit	
	mg/L		
	ppm	±0.2°C±1Digit with temperature error correction function	
	Temp.		
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		-10~70°C	
Display	Large LCM with sensitization sensor for auto / manual illumination function and contrast function		
	Text mode		Text mode
			Chart mode
			Trace mode
Analog output 1		Isolated DC 0/4~20mA corresponding to measurement, max. load 500Ω	
Analog output 2		Isolated DC 0/4~20mA corresponding to temperature, max. load 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	
Wash	Contact	240VAC, 0.5A Max. (recommend)	
	Time	ON:0~99min. 59 sec. OFF:0~999 hours 59 min.	
Voltage output		DC±8V Max. 0.5W	
Power supply		100~240VAC ±10%, 5W max., 50/60Hz	
Installation		Wall or Pipe or Panel mounting	
Dimensions		96 mm × 96 mm × 132 mm (H×W×D)	
Cut out dimensions		93 mm × 93 mm (H×W)	
Weight		0.5Kg	
Certification		IP 65 (NEMA 4X)	

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

### Optional accessories:

- |                 |  |                                  |
|-----------------|--|----------------------------------|
| 1. D.O. sensor  | 4. Cleaning solution                         | 7. Extension cable               |
| 2. Membrane kit | 5. Immersive protection holder 1M, 2M and 3M | 8. Auto clean kit                |
| 3. Electrolyte  | 6. Junction box                              | 9. Stainless holder support base |



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