

# DO5000 Versatile

## Dissolved Oxygen Controller / Transmitter



- Standard 1/4 DIN casing, easy installation.
- IP65 rated: high luminance LED backlight, applicable to harsh environment.
- Adopt integrated switching power supply module; high protection against electromagnetic interference.
- Menu-driven program that simplifies set-up.
- Instant browsing all the settings in measurement mode, easy to master your working state
- Scalable isolated 0/4-20mA Outputs
- Two relay circuits, users can select high-low control freely. Separately adjustable high and low set-point hysteresis(dead bands) prevent chattering of relays around the set points.
- Third relay Cleaning/Alarm function; users sets the cleaning frequency and time
- Temperature value offset adjustment.
- Optional nanoampere electrode (80nA, 400nA)
- RS-485 output

### Specification

Dissolved Oxygen	Range	0.0-400.0% , 0.00-40.00 mg/L
	Resolution	0.1% , 0.01 mg/L
	Accuracy	0.0-40.0 ppt
	Salinity Compensation	±0.2% F.S.
	Temperature Compensation	0.0-50.0 °C
	Pressure Compensation	600-2000 mBar
Temperature	Range	-10.0-110.0 °C
	Resolution	0.1 °C
	Accuracy	±0.3 °C
	Temperature Sensor	22 K
Signal Output	Temperature Compensation	Automatic
	Signal Output	4-20 mA (Adjustable)
	Current Accuracy	1% F.S.
Data interface	Load	< 500 Ω
	RS485	have
Relay Output	On/Off	2 SPST Relays
	Output	2.5A 230 VAC
	Cleaning/Alarm Relays	1X 2.5A
Others	Power	85~260 VAC or 24 VDC
	Working Temperature	0~60°C
	Humidity	< 90%
	IP Rated	IP65
	Installation	Panel Mounting
	Dimensions	(H×W×D) 108×108×158 mm
	Panel Cut Size	94.5×94.5 mm
Weight	0.5 kg	

### CS4551 Dissolved Oxygen Sensor

- Range: 0 - 40 mg/L
- Stabilizing time: 15m
- Stainless steel housing
- PG13.5 thread
- Temp: 0 to 70°C
- Diameter & Length :13\*120mm
- Max Pressure: 5 bar
- 5m cable length
- Min Flow: 10mm/s
- tinned open-ended
- Response time: 90% of final value in 60s
- replaceable membrane cap
- Polarization voltage: -670/+50 mV

