

# BI-680 Industrial Dissolved Oxygen Controller



## Features

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution
- Salinity and barometric pressure compensations eliminate the measurement error
- Automatic temperature compensation ensures accurate readings over the entire range
- Setup menu allows setting the number of calibration points, measurement unit, alarm limits, hysteresis value, 4 to 20mA output, etc.
- Reset function automatically resumes all settings back to the factory defaults

## Ordering Information

BI-680: Controller, IE-80T industrial dissolved oxygen electrode, electrolyte solution and membrane cap

## Specifications

Model		BI-680
DO	Range	0.0~20.0mg/L
	Resolution	0.1mg/L
	Accuracy	±0.5mg/L
% Saturation	Range	0.0~200.0%
	Resolution	0.1%
	Accuracy	±2.0%
Temperature	Range	0~60°C/32~140°F
	Resolution	0.1°C/0.1°F
	Accuracy	±1°C/±1.8°F
	Offset Calibration	1 point, reading ±10°C
Communication	Signal Output	4~20mA
	Load	Max. 500Ω
	Low or High Alarm	0.00~20.00mg/L, selectable
	Communication Interface	RS485
Other Specifications	Connection Terminals	Detachable screw terminals
	Dissolved Oxygen Calibration	1 or 2 points
	Temperature Compensation	0~40°C, automatic
	Barometric Pressure Correction	60.0~112.5kPa/450~850mmHg, manual
	Salinity Correction	0.0~35.0g/L, manual
	Power Requirements	DC24V
	Dimensions	96(L)×96(W)×75(H)mm
Weight	350g	