

# DO/Temp Industrial Online Controller 6312DTF/6312DTB

## Features

- Graphic LCD with manual backlight displays dissolved oxygen, temperature, relay status and transmitter current mA output simultaneously.
- Calibration data is stored in memory and is ready for use on power up.
- Two sets of isolated and reversible 4-20 mA current output for dissolved Oxygen and temperature allows it to be used as a proportional output.
- 4 programmable on/off relays: 3 for dissolved oxygen and 1 for temperature.
- RS-485 output for remote access allows multiple units to be connected and ganged together.
- Password protection.
- IP65



## Specifications

	Range	Resolution	Accuracy
Dissolved oxygen (ppm /ppb)	0.000~40.000ppm / 0~40000ppb	0.001ppm / 1ppb	±0.2%FS
Dissolved oxygen (%)	0.0~500.0%	0.1%	±0.2%FS
Temperature	-10.0~120.0°C	0.1°C	±0.2°C
Salinity Compensation	Manual 0.0 to 49.9ppt.		
Pressure Compensation	Manual 600 to 4000mBar.		
Temperature Compensation	Auto -10.0 to 80.0°C, 22K ohm NTC.		
Output	Two current output for dissolved oxygen and temperature		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear.		
Maximum Load	500 ohm.		
Isolation Voltage	500V DC.		
Control Type	4 ON/OFF controls.		
Relay Output	5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Display	128 x 64 graphical LCD with backlight.		
Security	4-dight password.		
Power	115V AC / 230V AC at 50/60 HZ, factory pre-set.		
Ambient Temperature Range	From 0~50°C.		
Weight / Case	950 grams / IP65, 1/4 DIN case, 148mm depth.		

## Accessories

OXYSENS 120	For wastewater, 6312DTF only (stainless steel housing, PG13.5 thread, 5 m cable, with temperature thermistor).
OXYGOLD G	For power plants, 6312DTB only (stainless steel housing, PG13.5 thread, VP plug, with temperature thermistor)
Cable	Only for OXYGOLD G, 5m.
009	Protective submersion housing.
012-200-00	Waterproof enclosures