

pH/DO/Temp Industrial Online Controller 6309PDTF

Features

- Graphic LCD with manual backlight displays pH, dissolved oxygen, temperature, relay status and transmitter current mA output simultaneously.
- Automatic buffer recognition of US and European buffer sets. Calibration data is stored in memory and is ready for use on power up.
- Isolated and reversible 4-20 mA current output for pH/ dissolved oxygen allows it to be used as a proportional output.
- 5 programmable on/off relays: 2 for pH, 2 for dissolved oxygen and 1 for temperature.
- RS-485 output for remote access via an compatible computer allows multiple units to be connected and ganged together.
- Password protection.
- IP65 watertight case.



Specifications

	Range	Resolution	Accuracy
pH	-2.00~16.00pH	0.01pH	±0.01pH±1 digit
Dissolved oxygen (ppm / %)	0.00~60.00ppm / 0.0~500.0%	0.01ppm / 0.1%	±0.2%FS
Temperature	-10.0~120.0°C	0.1°C	±0.2°C
pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18), user selectable.		
pH Electrode Offset Recognition	±100mV at pH 7.00 / -91.7mV to +108.3mV at pH 6.86.		
pH Electrode Slope Recognition	±30% at pH 4.00, 4.01, 9.18 or 10.01.		
pH input Impedance	>10 ¹³ ohms.		
Salinity Compensation	Manual 0.0 to 49.9ppt.		
Pressure Compensation	Manual 600 to 1100mBar.		
Temperature Compensation	Auto 0 to 80.0°C, 22K ohm NTC.		
Output Select	User selectable pH or Dissolved oxygen .		
Current Output Range	4 to 20 mA (isolated), programmable span.		
Current Output Scale	User programmable, linear or log.		
Maximum Load	500 ohm.		
Isolation Voltage	500V DC.		
Control Type	5 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 or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50°C.		
Weight / Case	950 grams / IP65, 1/4 DIN case, 148mm depth.		

Accessories

IP-600-10	For wastewater (pH glass electrode, PPS housing, NPT3/4" thread, 20 m cable).
OXYSENS 120	For wastewater (stainless steel housing, PG13.5 thread, 5 m cable, with temperature thermistor).
009	Protective submersion housing.
012-200-00	Waterproof enclosures