

# pH/ORP/Temp Industrial Online Controller 6311

## Features

- Clear LCD displays pH or mV, with temperature and relay status simultaneously.
- Automatic buffer recognition of US and NIST buffer sets. Calibration data is stored in memory and is ready for use on power up.
- Displays absolute and relative ORP.
- Isolated and reversible 4-20 mA current output for pH or ORP allows it to be used as a proportional output.
- 5 programmable on/off relays: 4 for pH or ORP and 1 for wash.
- RS-485 output for remote access allows multiple units to be connected and ganged together.
- Password protection.
- IP65



## Specifications

	Range	Resolution	Accuracy
pH	-2.00~16.00pH	0.01pH	±0.1%±1 digit
mV (absolute / relative)	-2500~+2500mV / -6499~+6499mV	1mV / 1mV	±0.1%±1 digit
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.		
Temperature Compensation	Auto -10.0~120.0°C ( Thermistor, 10K ohm / Resistor, Balco 3 k ohm at / RTD, PT-1000).		
Input Impedance	>10 <sup>13</sup> ohms.		
Input Select	User selectable pH or ORP.		
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 / Relay Output	5 ON/OFF controls.		
Relay Output	5A at 115V AC or 2.5A at 220V AC, resistive load only.		
Security	4-dight password.		
Power	115V AC or 230V AC at 50/60 HZ.		
Ambient Temperature Range	From 0~50°C.		
Weight / Case	940 grams / IP65, 1/4 DIN case, 148mm depth.		

## Accessories

IP-600-10	For wastewater (pH, glass body, PPS housing, NPT3/4" thread, 20 m cable).
IP-600-9 TH	For wastewater (pH, glass body, PPS housing, NPT3/4" thread, 5 m cable, with 10K thermistor).
IR-500-8	For wastewater (ORP, glass body, PPS housing, NPT3/4" thread, 5 m cable).
009A	Protective submersion housing.
012-200-00	Waterproof enclosure