

innoCon 6501P

pH/Redox Controller

The innoCon 6501P pH/ORP transmitter is designed for water treatment and industrial process control. It is used with innoSens pH/ORP electrodes to measure water pH, redox potential and temperature; with Chinese and English menus, automatic temperature compensation, standard 4-20mA/RS485 Modbus and relay control function output.



Parameter

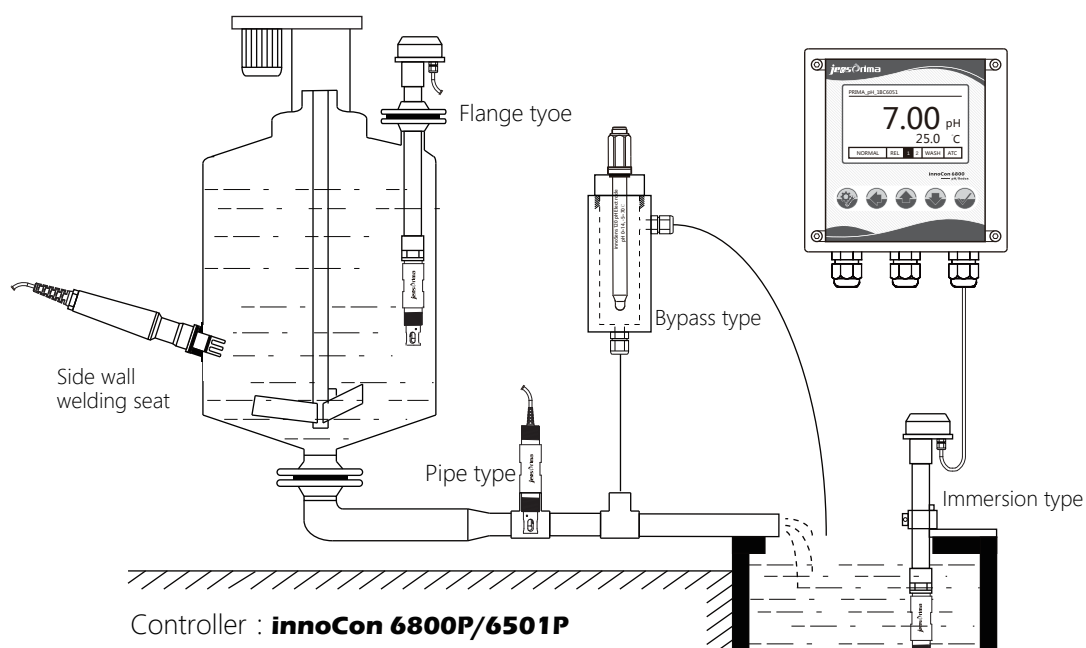
- pH
- ORP
- Temperature

Applications

- Sewage/wastewater treatment
- Environmental monitoring
- Industrial processes
- Swimming pools
- Aquaculture

Features

- Large-screen backlit LCD display, easy to read all day long
- Economical and practical, standard 4-20mA output
- RS485 Modbus RTU communication
- 2 independent Hi/Lo alarm relay outputs
- Automatic temperature compensation
- Wide power supply design, 90-260VAC
- IP65 protection, panel/pipe installation



Technical Data

Measurement parameter

pH:	-2.00 - 16.00 pH
ORP:	-2000 - 2000 mV
Temperature:	-10 - 130 °C

Input

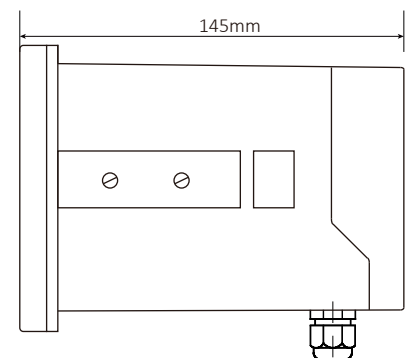
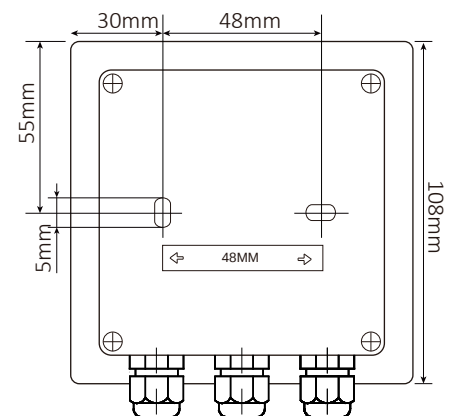
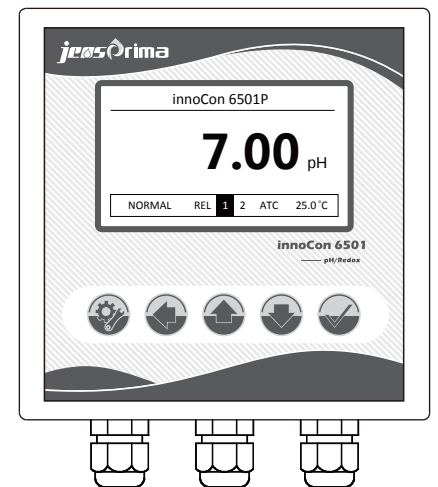
Measuring sensor:	innoSens pH/ORP sensor
Temperature probe:	Pt-1000 / NTC-10K (optional)

Output

Analog Output 1:	4-20 mA isolated current output for pH/ORP, it can be made to represent any segment of the measuring scale.
Load:	Max 600Ω
Relay 1&2 (Alarm) Operation:	ON/OFF
Selectable action :	High / Low
Set Point:	High/10.00 pH; Low/4.00 pH (adjustable)
Hysteresis:	0.01 pH (adjustable)
Relay contacts:	5A/250VAC;5A/30VDC
RS 485 Modbus RTU Baud rate:	9600 bps
Data format:	8 bit

General Information

Resolution:	0.01pH/1mV/0.1°C
Accuracy:	±0.01pH/±1mV/±0.2°C
Temperature compensation type:	Pt 1000/NTC 10K
Range of temperature compensation:	-10.0~130.0°C
Working temperature:	0~70.0°C
Store temperature:	-20~70.0°C
Input diagnosis:	>1012Ω
Display:	Backlit lattice LCD display
Analog output:	Isolated 4-20mA output, can set pH/ORP, maximum load 500Ω
Communication:	RS485 Modbus RTU (Baud rate: 9600)
Alarm output:	2 sets of ON/OFF contacts, independently set Hi/Lo alarm points, with hysteresis setting, 5A/250VAC, 5A/30VDC
Password Setting mode :	0022, calibration mode: 0011
Language :	English/Chinese
Power supply:	90-260VAC,50/60Hz; 24VDC optional
Protection grade:	IP65
Installation type:	Panel/pipe mounting
Dimension:	108 x 108 x 145mm
Opening hole size:	92 x 92mm
Weight:	0.6Kg



Order Guide

pH / Redox controller

Order No.	Type	Descriptions
33-6501-10	innoCon 6501P	pH/Redox controller, 90 - 260V AC
33-6501-14	innoCon 6501P	pH/Redox controller, 24V DC

Accessories See innoSens pH / Redox sensor.