

innoCon 6501P

pH / Redox Controller

Measuring parameter

- pH
- ORP/Redox

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
- Stainless steel electrodes are more rugged and reliable
- Air cleaning device is optional



Single channel controller for pH, Redox, Temperature

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.

Application

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

Specification

Measuring parameter

pH:	-2.00 - 16.00 pH
ORP:	-2000 - 2000 mV
Temperature:	-10.0~130.0°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 ppm; Low/4.00 ppm (adjustable)

Hysteresis: 0.01 ppm (adjustable)

Relay contacts: 5A/250VAC;5A/30VDC

Interface: 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.