

innoCon 6800C

## innoCon 6800C Conductivity / Resistivity/ TDS Measurement

### Measuring parameter

- Conductivity
- Resistivity
- TDS
- Temperature

### Features

- The latest wide power input, super anti-interference design
- Flame retardant plastic bite shell, better texture feel
- Large-screen backlit LCD shows measured values, temperature and relay status
- Chinese / English menu, easier to operate
- Password protection, to prevent unauthorized operation
- New calibration steps can help reduce operational errors
- NEMA4X / IP65 protection class, a variety of installation methods
- 2 sets relay output can set High/ Low
- Automatic cleaning relay output
- One key to restore factory settings



InnoCon 6800C controller is specially designed for water treatment and industrial process control. Used with innoSens 320/330 sensor, it can measure the conductivity, resistivity, TDS and temperature of the sample water. It features automatic temperature compensation and has various mounting methods. 4-20mA/RS485 and multiple control function outputs are a standard feature.

### Application

- Process Water
- Drinking Water
- Cooling Water
- Wastewater Treatment

### Specification

Measuring parameter

Conductivity: 0.00 - 20.00 /200.0/2000  $\mu$ S/cm

Resistivity: 0.00-20.00 M $\Omega$ /cm

TDS: 0.00 ppm-200.0 ppt

Input

Measuring sensor: innoSens 320/330 Conductivity Sensor

Temperature probe: Pt1000 / NTC 30K (optional)

**Output**

- Analog Output 1: 4-20 mA isolated current output for conductivity/resistivity/TDS, it can be made to represent any segment of the measuring scale
- Analog Output 2: 4-20 mA isolated current output for TEMP., it can be made to represent any segment of the measuring scale

**Relay 1&2 (Alarm)**

- Operation: ON/OFF
- Selectable action : High / Low
- Set Point: High/10.00mg/L; Low/4.00mg/L (adjustable)
- Hysteresis: 0.10mg/L (adjustable)
- Relay contacts: 5A/250VAC;5A/30VDC

**Relay 3 (Washing Relay)**

- Wash interval: 0.1~1000hour
- Wash time: 1~1000s
- Relay contacts: 5A/250VAC; 5A/30VDC

**Interface**

- RS 485 Modbus RTU
- Baud rate: 9600 bps
- Data format: 8 bit

**General Information**

- Power supply: 90 - 260V AC, 50/60Hz; 24VDC(Optional)
- Operating temperature: 0 - 60 °C
- Storage temperature: -20 - 70 °C
- Humidity: Max. 90% rH at 40°C (non-condensing)
- LCD Screen: Big-size screen of crystal display, white back light
- Language: Chinese / English
- Passcode: Set mode: 0022, Calibration mode: 0011
- Protection grade: IP65
- Dimensions: 144 \* 144 \* 110mm
- Installation: Wall/Pipe/Panel Mounting
- Panel Cut Size: 138 \* 138mm
- Weight: 0.85Kg

**Order Guide**

Order No.	Type	Descriptions
33-6801-20	innoCon 6800C	Conductivity Controller, 90 - 260V AC
33-6801-24	innoCon 6800C	Conductivity Controller, 24V DC
35-0320-01	innoSens 320	Conductivity Sensor, K=0.01, 0-20.00μS/cm, 5m cable
35-0320-02	innoSens 320	Conductivity Sensor, K=0.1, 0-200.0μS/cm, 5m cable
35-0320-03	innoSens 320	Conductivity Sensor, K=1,0-2000μS/cm, 5m cable
35-0330-00	innoSens 330	Conductivity / Resistivity / TDS Sensor,10μS/cm ~ 200.0 mS/cm, 5m cable