

Measurement Expert for Turbidity with Accuracy

innoCon 6800T Turbidity / SS Analyzer is based on 90 ° scattered light and is EN ISO 7027 compliant. When the light passes through the solution, a portion is absorbed and scattered, and the other is passed through the solution so that the turbidity and the suspended matter of the water sample can be measured by measuring the intensity of the scattered light of the particles in the water. It is equipped with innoSens 810T sensor, can measure the turbidity of 1000NTU or suspended solids 2000mg / L



Applications



Process Water



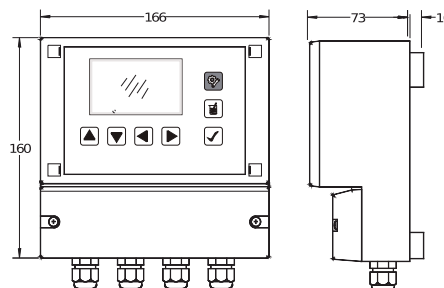
Cycle Water



Waste Water
Treatment



Pure Water



Features

- Innovative optical technology ensures reliable concentration measurements
- 90° light scattering technology
- Using ARM system, more stable and reliable
- Lattice display, Chinese and English menu
- 4-20mA current/ RS485 output
- Stainless steel electrodes are more rugged and reliable
- Air cleaning device is optional

Technical Data

Measuring parameter

Measuring range	Turbidity: 0.0-4.0 / 40.0 / 400.0 / 1000.0 NTU SS: 0.0-10.0 / 100.0 / 1000.0 / 2000.0 mg/L
Resolution	0.1 NTU, 0.1 mg/L
Accuracy	±2 f.s

Input

Measuring sensor	innoSens 810T turbidity/ suspended solids sensor
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Output

Analog Output 1&2	4-20 mA isolated current output for measurement value & temperature, it can be made to represent any segment of the measuring scale Load: Max 600Ω
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Relay 1&2 (Alarm)	Operation: ON/OFF Selectable action : High / Low Set Point: High/10.0 g/L; Low/4.0 g/L (adjustable) Hysteresis: 0.01 g/L (adjustable) Relay contacts: 5A/250VAC;5A/30VDC
Relay 3 (Wash 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)
Temperature	Operating temperature: 0 - 60 °C Storage temperature: -20 - 70 °C
Humidity	Max. 90% rH at 40 °C (non-condensing)
LCD display	Suspended solids value and relay status
Language	Chinese / English
Passcode	Set mode: 0022 , Calibration mode: 0011
Protection class	IP65
Dimensions	160 * 166 * 73mm
Installation	Wall Mounting
Weight	1Kg

Sensor Information

Type	innoSens 810T
Material	316L/PVC shell, special optical glass
Size	Diameter: 42mm Length: 210mm Connection: 1" GAS
Cable	10 m
Max. Pressure	4 bar
Protection class	IP68



Order Guide

Order No.	Model	Descriptions
33-6800-30	innoCon 6800T	Suspended solids controller, 90 - 260V AC
33-6800-34	innoCon 6800T	Suspended solids controller, 24V DC
35-0810-02	innoSens 810T	Suspended solids sensor, turbidity: 0.0-1000.0 NTU, SS: 0.0-2000 mg/L