

Online Dissolved Oxygen Analyzer

Flumsys 10TC-D2

The Flumsys 10TC Single Channel Digital Controller is designed to measure a range of water quality parameters relevant to the water treatment industry and can be customised to measure a single parameter, supporting JENSPRIMA sensors only. The 4.3" colour LCD display is touch operated and very easy to set up. This series controller has data storage function, support USB Disk data export. Provides three programmable relays and two 4-20mA outputs for controlling auxiliary equipment, RS485 Modbus RTU communication is standard.



innoSens 450 Dissolved Oxygen Electrode

● The innoSens 450 fluorescence dissolved oxygen electrode is based on the principle of fluorescence inactivation, require no membranes or electrolyte, are virtually maintenance-free, have excellent performance, are easy to use, do not consume oxygen, and are widely used for DO monitoring of aeration basins in municipal wastewater treatment plants.

Measuring range:	0.00-20.00ppm/0-200%
Resolution:	0.01ppm
Accuracy:	±0.1ppm or ±1%
Response time:	<60seconds
compensation:	Built-in NTC temperature probe
Working temp:	0-60°C
Flow rate:	No requirement
Material:	316L
Dimensions:	Diameter: 33.5mm, Length: 197mm, Connection: 3/4" BSP
Cable:	10m Standard
Max Pressure:	5bar
Protection Class:	IP68



Measurement parameters

Dissolved oxygen: 0.00-20.00ppm/0-200%

Feature

- Single channel measurement, need to select the corresponding sensor
- Wide power input, touch screen design
- 4.3" colour touch screen displays measured value, temperature and relay status
- Chinese/English menu, easy to operate
- Password protection to prevent unauthorised operation
- New calibration step-by-step prompts can help reduce operating errors
- 2x programmable Hi/Lo relay outputs
- Programmable auto-purge relay outputs
- 2x isolated 4-20mA outputs
- RS485 Modbus RTU communication
- Data storage function, support for USB stick data export

Technical parameters

Display:	4.3" colour LCD touch screen display
Language:	Chinese/English
Password:	Setup mode: 0022, Calibration mode: 0011
Power supply:	110-240VAC, 50/60Hz; 24VDC Optional
Current output 1:	Isolated 4-20mA output, measurable value can be set, maximum load 500Ω.
Current output 2:	Isolated 4-20mA output, measurable value can be set, maximum load 500Ω.
Digital communication:	RS485 Modbus RTU
Alarm output:	2 sets of programmable Hi/Lo contacts with hysteresis setting 5A/250VAC/30VDC
Cleaning relay:	Cleaning interval:0.1-1000h, Cleaning time:1-1000S
Working temperature:	0-70.0°C
Storage temperature:	-20-70.0°C
Protection class:	IP65
Installation:	Wall mounting
Size:	200×180×90mm
Weight:	ca.1kg

Order Guide

Order No.

Flumsys 10TC — D 2 —

Measurement Parameters Power supply type
A 220VAC
B 24VDC

For example, if you select dissolved oxygen electrode, 220VAC, the model number is Flumsys 10TC-D2-A.

Order No.	Description
35-0450-01	innoSens 450 Dissolved Oxygen Electrode