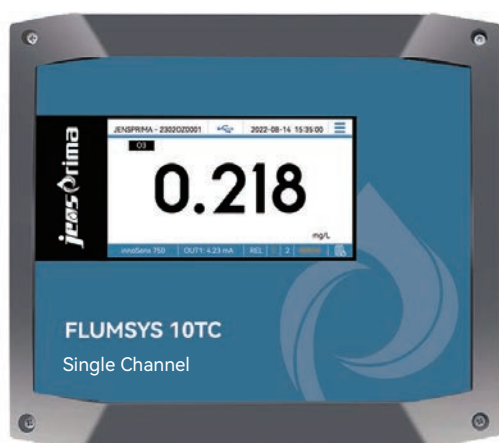


# Online Dissolved Oxygen Analyzer

## 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.



### 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

### 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,<br>Length: 197mm,<br>Connection: 3/4" BSP |
| Cable:            | 10m Standard                                                |
| Max Pressure:     | 5bar                                                        |
| Protection Class: | IP68                                                        |



### 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,<br>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** — **A**

Measurement Parameters      Power supply type  
A 220VAC  
B 24VDC

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

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