

# Online Ozone Chlorine Analyzer

## Flumsys 10TC-F5

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.



### Application

Ozone: 0.005-2.000/0.05-20.00mg/L(ppm)

### 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 750 Ozone Electrode

● The innoSens 750 ozone electrode is based on a coated two-electrode system and is suitable for normal water conditions without surfactants. Applications: tap water, drinking water, mineral water, service water, process water.

Measuring Principle: Membrane covered amperometric  
 Measuring parameter: Ozone  
 Measuring range: 0.005-2.000/0.05-20.00mg/L(ppm)  
 Repeatability: ± 5%  
 Slope drift: about <-1%/month (not calibrated)  
 Working temperature: 0-45°C  
 Compensation: built-in temperature sensor  
 Working pressure: Max 0.5bar  
 Flow rate: 200-500ml/min  
 pH range: 2-11pH, 4-9pH is recommended for pure water.

Polarisation time: approx. 1 hour for initial use  
 Zero adjustment: not required  
 Slope calibration: single point calibration according to DPD method

Material: UPVC, ABS  
 Dimensions: Outer diameter 25mm, length 220mm

Storage: electrode/membrane cap: 5-40°C  
 electrolyte 5-35°C

Interference: Residual chlorine (almost negligible), chlorine dioxide

Maintenance interval: membrane cap replacement cycle 1 year,  
 electrolyte replacement cycle 3-6 months

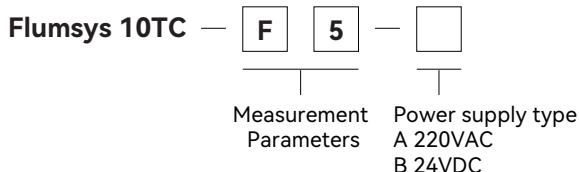


### Technical parameters

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.



For example, if you select Ozone electrode, 220VAC, the model number is Flumsys 10TC-F5-A.

| Order No.  | Description                        |
|------------|------------------------------------|
| 35-0750-01 | innoSens 750-R1, 0.005-2.000ppm    |
| 35-0750-02 | innoSens 750-R2, 0.05-20.00ppm     |
| 50-0700-30 | PA-730 flow cell, acrylic material |