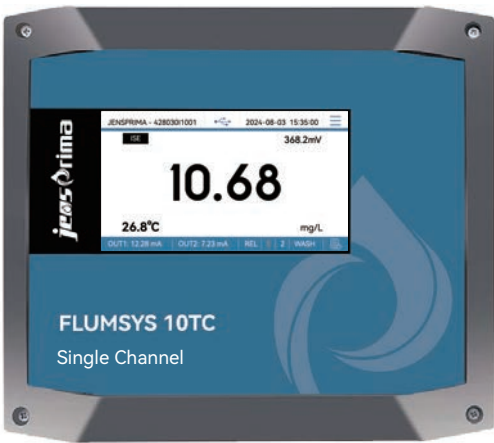


Online Fluoride ion Analyzer

Flumsys 10TC-I1

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 510 Fluoride ion Electrode

● JENSPRIMA ion electrodes have a separate electrode design, which allows for the replacement of worn out parts of the electrode (electrode fluid and cap). This allows the electrodes to be used repeatedly with regular replacement of the cap and electrode fluid, thus achieving a service life that cannot be achieved with similar products in the market. The fluorine ion-selective electrode is a solid-state thin-film electrode made primarily from LaF3 single crystals with a special polymer periphery.

Measuring parameter: Fluorine ion concentration
Measurement range: 0.1-10000mg/L
Slope: 57±2mV/p F-ion
Response time: <30s
Stability: ±0.3mV(30min), ±1mV(24h)
Interfering ions: OH⁻(pH>8), formation of HF as well as HF₂⁻(pH<5) Interfering ion to fluorine ion ratio produces 10% error
pH applicable range: 5-8pH
Operating temperature: 0-40°C
Sensitive film: LaF3 single crystal
Housing material: black plastic
Dimensions: 12mm diameter, 100mm length
Mounting: Flow-through tank/immersion mounting, optional reference electrode required



Order No.	Description
35-0500-10	innoSens reference
35-0510-00	innoSens 510 Fluoride ion electrode, cable to be supplied separately
35-0100-05	S8 connector cable, 5m
50-0711-00	PA-711 Flow cell, Acrylic

Measurement parameters

Fluorine ion concentration: 0.1-10000mg/L

Feature

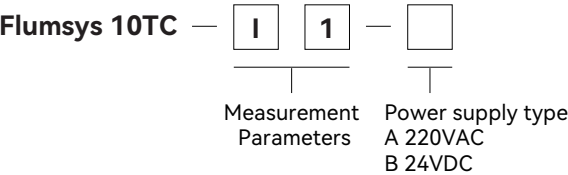
- Single channel measurement, need to select the corresponding sensor
- Wide power input, touch screen design
- 4.3" colour touch screen displays measured value, temperature and relay status
- Chinese/English menu, easy to operate
- Password protection to prevent unauthorised operation
- New calibration 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.



For example, if you select fluoride ion electrode, 220VAC, the model number is Flumsys 10TC-I1-A.