

Online Cl₂/ClO₂ Analyzer(potentiostatic method)

Flumsys 10TC-F1

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 710 Cl₂/ClO₂ Electrode

● The innoSens 710 electrode is based on the double platinum constant voltage measuring principle, where the measuring and reference electrodes maintain a constant potential at which different measured constituents produce different current intensities. During the measurement process, Cl₂ or HClO is consumed, so the current intensity generated is related to the concentration of residual chlorine in the water.

When the pH is in the range 6-8, the measurement signal decreases with increasing pH and can be compensated for by entering the pH value on site.

Measuring range:	0-2.000/0-20.00ppm (mg/L)
Resolution:	0.001/0.01ppm
Accuracy:	±2%fs.
Temperature compensation:	PT1000 (optional)
pH compensation:	0-60°C
Operating temperature:	Manual pH compensation
Recommended flow rate:	10-30l/h
Electrode material:	Glass
Threaded connection:	PG13.5
Cable length:	3m as standard, 10m optional
Size:	φ12mm×120mm



Measurement parameters

Residual chlorine: 0-2.000/0-20.00ppm (mg/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.

Flumsys 10TC — F 1 —

Measurement Parameters Power supply type
A 220VAC
B 24VDC

For example, if you select residual chlorine electrode 220VAC, the model number is Flumsys 10TC-F1-A.

Order No.	Description
37-0710-00	innoSens 710 Double platinum electrode, cable 3m
37-0710-10	innoSens 710 Double platinum electrode, cable 10m
37-0710-20	PT1000 Temperature probe, PA-711 for flow cell
50-0711-00	PA-711 Flow cell, Acrylic