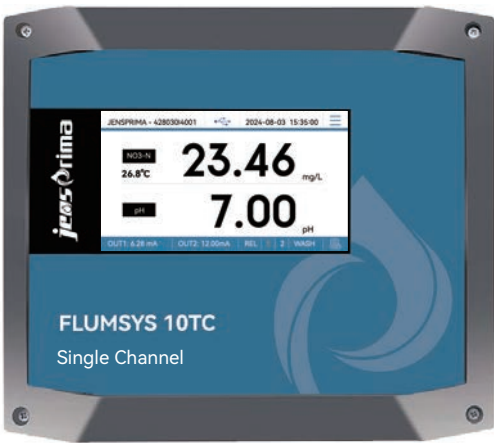


Online Nitrate Analyzer

Flumsys 10TC-I4

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 560 Nitrate Electrode

● The innoSens 560 nitrate and nitrogen electrode uses an ion-selective electrode method to measure nitrate and nitrogen concentrations in water, directly detecting nitrate concentrations in the aqueous environment with a nitrate ion-selective electrode. The nitrate sensor uses a pH electrode as a reference electrode to achieve better stability. The sensor is also susceptible to interference from chloride ions, so an optional chloride ion electrode is available for automatic compensation when the chloride concentration in the water is high. The innoSens 560 nitrate and nitrogen sensor consists of a nitrate ion electrode, a chloride ion electrode (optional), a pH electrode and a temperature electrode in a single sensor, which can be corrected for each other and for multiple parameters.

- Measuring range:
- NO₃-N: 0.1-3000 mg/L
PH: 3-10 pH
Temperature: 0-40°C
- Accuracy:
- NO₃-N: ±5% of measured value
pH: ±0.1 pH
Temperature: ±0.2°C
- Repeatability:
- ±3% of measured value
- Response time:
- <2min
- Lifetime:
- 6 months for diaphragm,
3 months for electrolyte
- Working temp:
- 2-40°C
- Protection class:
- IP68
- Dimensions:
- φ62mm×353mm



Order No.	Description
35-0560-00	innoSens 560-R1 Nitrate Electrode, Cable 10m
35-0560-10	innoSens 560-R1 Nitrogen/Cl Electrode, Cable 10m

Measurement parameters

NO₃-N: 0.1-3000 mg/L

Feature

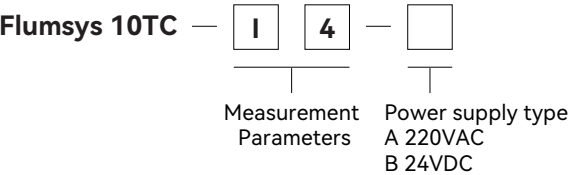
- Single channel measurement, need to select the corresponding sensor
- Wide power input, touch screen design
- 4.3" colour touch screen displays measured value, temperature and relay status
- Chinese/English menu, easy to operate
- Password protection to prevent unauthorised operation
- New calibration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



For example, if you select nitrate electrode, 220VAC, the model number is Flumsys 10TC-I4-A.