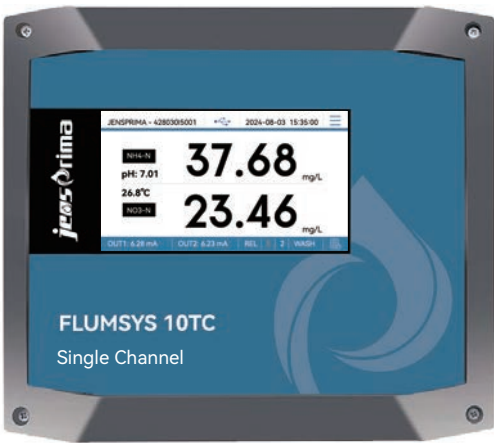


# Online Ammonia/Nitrate Analyzer

## Flumsys 10TC-I5

The Flumsys 10TC Single Channel Digital Controller is designed to measure a single parameter relevant to the water treatment industry and can be customized to measure multi-parameter, supporting JENSPRIMA sensors only. The 4.3" colour LCD display is touch operated and very easy to set up. This series of 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 570 Ammonia/Nitrate Electrode

● The ammonia nitrogen electrode uses the ion-selective electrode method to measure the concentration of ammonia nitrogen in water. The ammonia ion-selective electrode is used to directly detect ammonium ions in the water environment to determine the concentration of ammonia nitrogen. also susceptible to interference from potassium ions, so when the potassium ion concentration in water is high, an optional potassium ion electrode is available for automatic compensation. The 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. 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.

Measuring range:	NH <sub>4</sub> -N: 0.1 - 1000 mg/L PH: 5 - 10 pH NO <sub>3</sub> -N: 0.1 - 3000 mg/L PH: 3 - 10 pH Temperature: 0 - 40°C
Accuracy:	NH <sub>4</sub> -N: ±5% of measured value NO <sub>3</sub> -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
35-0570-00	Ammonia/ Nitrate Electrode, Cable 10m

### Measurement parameters

NH<sub>4</sub>-N: 0.1-1000 mg/L, NO<sub>3</sub>-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.

Flumsys 10TC	—	<div>I</div>	<div>5</div>	—	<div></div>
		Measurement Parameters			Power supply type A 220VAC B 24VDC

For example, if you select ammonia/nitrate electrode, 220VAC, the model number is Flumsys 10TC-I5-A.