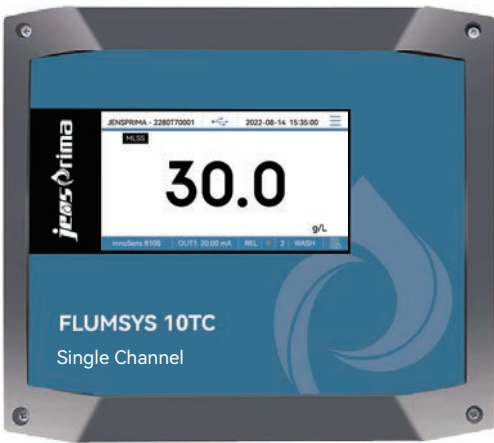# Online MLSS Analyzer
Flumsys 10TC-T7

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.

Measurement parameters

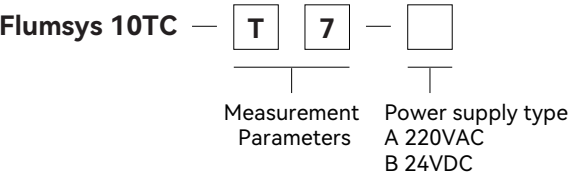MLSS: 0.0-30.0g/L

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

innoSens 810S MLSS Sensor

- JENSPRIMA MLSS sensor have been developed based on the 90 ° light scattering principle in accordance with EN ISO 7027. When light passes through a solution, part of it is absorbed and scattered, and the other part passes through the solution, which makes it possible to measure the turbidity/suspended matter of a water sample by measuring the intensity of the scattered light from the particles in the water.

Measuring range:	0.0-30.0g/L
Resolution:	0.1g/L
Accuracy:	±3%f.s.
Size:	42mm diameter, 210mm length
Threaded connection:	1"GAS
Cable:	10m as standard
Pressure:	Max.4bar
Working temperature:	0-60℃
Protection class:	IP68
Material:	316L housing, special optical glass

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℃
Storage temperature:	-20-70.0℃
Protection class:	IP65
Installation:	Wall mounting
Size:	200×180×90mm
Weight:	ca.1kg

Order Guide

Order No.

Flumsys 10TC — **T** **7** — ☐

Measurement Parameters

Power supply type
A 220VAC
B 24VDC

For example, if you select MLSS Sensor, 220VAC, the model number is Flumsys 10TC-T7-A.

Order No.	Description
35-0810-01	innoSens 810S MLSS Sensor