

Online Suspended Solids Analyzer

Flumsys 10TC-T8

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 815S Infrared Suspended Solids Sensor

● The sensor innoSens 815S is used for the optical measurement of suspended solids in industrial water and process up to 50 g/l. The probe uses the method of measuring light absorption. Reliable concentration measurement using optical measuring process, Infrared light pulsing beams scattering method, Stainless Steel sensor body (PVC optional), No mechanically moving parts, Measured value pre-processing in sensor resulting in low signal transmission sensitivity, Immediate installation and easy maintenance.

Materials:	Stainless Steel 304 Special Epoxy windows Viton O-ring
Thread:	1" GAS
Measuring range:	0-50g/l
Measuring method:	Light absorption
Accuracy:	± 5% of measuring value
Repeatability:	98 %
Calibration:	by 3 points
Working temperature:	0~45 °C
Max. Working pressure:	2 bar
Max. Power consumption:	3W
Mechanical Protection:	IP68 – cable included
Cable:	10m integral
Power supply:	12~24Vdc
Outputs:	RS485 Modbus RTU
Auto cleaning:	wipper



Order No.	Description
35-0815-02	innoSens 815S Infrared Suspended Solids Sensor

Measurement parameters

Suspended Solids: 0-50g/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.						
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For example, if you select suspended solids sensor, 220VAC, the model number is Flumsys 10TC-T8-A.