

Dual channel online Dissolved Oxygen/MLSS Analyser

Flumsys 10TC-DS

Parameters

Dissolved oxygen: 0-20.00mg/L

Sludge concentration: 0-30.0g/L

Applications



Wastewater treatment plants

InnoSens 450 Fluorescence Dissolved Oxygen Sensor

● innoSens 450 Fluorescence Dissolved Oxygen Sensor is based on the principle of fluorescence quenching, requires no membrane and electrolyte, is virtually maintenance-free, has excellent performance, is easy to use, does not consume oxygen, and is widely used in municipal wastewater treatment plants for DO monitoring in aeration basins.

Product Model: innoSens 450

Measuring principle: fluorescence quenching principle

Measurement range: 0.00 - 20.00ppm / 0 - 200%

Resolution: 0.01ppm

Accuracy: ±0.1ppm or ±1%

Temperature compensation: Built-in NTC

Response time: <60S

Flow rate: not required

Electrolyte/membrane: not required,
fluorescent cap replaceable
(cycle 1~2 years)

Material: 316L

Size: Dimensions: Diameter: 33.5mm

Length: 197mm

Connection: 3/4" BSP

Cable: 10m as standard

Maximum pressure: 5bar

Operating temperature: 0-60°C

Protection Class: IP68



InnoSens 810S Sludge Concentration Sensor

● The innoSens 810S sludge concentration sensor with 90°light scattering technology in stainless steel is robust and reliable, ensuring reliable and stable online measurements.

Measuring principle: 90° light scattering technology

Measuring range:0.0-30.0g/L

Resolution:0.1g/L

Accuracy:±3%f.s.

Material:316L housing, special optical glass

Diameter: 42mm

Length:210mm

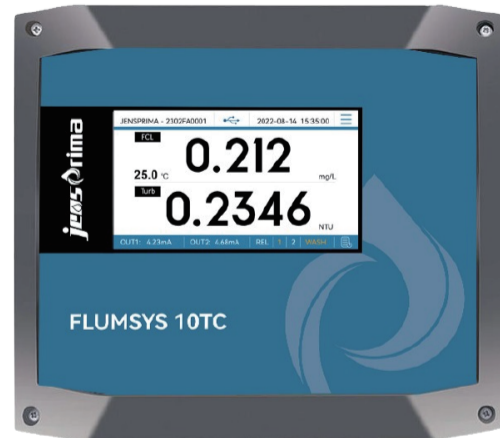
Connection: 1"GA

Cable: 10m as standard

Maximum pressure:4bar

Operating temperature:0-60°C

Protection Class:IP68



The Flumsys 10TC dual channel controllers are designed for the measurement of a range of water quality parameters relevant to the water treatment industry, allowing simultaneous measurement of dissolved oxygen and sludge concentration. The 4.3" colour LCD display is touch operated and very easy to set up. This series of controllers has a data storage function and supports USB stick data export. Three programmable relays and two 4-20mA outputs are provided for control of auxiliary equipment and Modbus RTU (RS485) communication is standard.

Controller

Display:	4.3" colour LCD touch screen display
Language:	Chinese/English
Password:	setting mode:0022, Calibration mode:0011
Power supply:	110-240VAC, 50/60Hz.
Current output 1:	isolated 4-20mA output, settable measurement value, max load 500Ω
Current output 2:	isolated 4-20mA output, settable measurement value, max. load 500Ω
Digital communication:	RS485 Modbus RTU
Alarm output:	2 sets of programmable Hi/Lo contacts with hysteresis setting, 5A/250VAC/30VDC
Purging relay:	cleaning interval:0.1-1000h, cleaning time:1-1000s
Operating temperature:	0~70.0°C
Storage temperature:	-20~70.0°C
Protection level:	IP65
Mounting:	wall mounted
Dimensions:	200×180×90mm
Weight:	ca. 1Kg

Order Guide

Order No.	Description
32-1048-40	Flumsys 10TC-DS Dual Channel Dissolved Oxygen/MLSS Analyser, 220VAC
32-1048-44	Flumsys 10TC-DS Dual Channel Dissolved Oxygen/MLSS Analyser, 24VDC
35-0450-00	innoSens 450 Fluorescence Dissolved Oxygen Sensor, Cable 10m
35-0810-01	innoSens 810S MLSS Sensor, Cable 10m
50-0200-20	PA-200S 304 Stainless Steel Mounting Kit
50-0200-30	PA-200A Automatic air cleaning system