

Turbidity/Suspended Solids Analyzer

Measuring Parameters

Turbidity
Suspended Solids
Temperature

Features

- Innovative optical technology ensures reliable concentration
- measurements 90° light scattering technology
- Using ARM system, more stable and reliable
- Lattice display, Chinese and English menu
- 4-20mA current/ RS485 output
- Stainless steel electrodes are more rugged and reliable
- Air cleaning device is optional



Measurement Expert for Turbidity & Suspended Solids with Accuracy

TEKSENS T2906T Turbidity / SS Analyzer is based on 90 ° scattered light and is EN ISO 7027 compliant. When the light passes through the solution, a portion is absorbed and scattered, and the other is passed through the solution so that the turbidity and the suspended matter of the water sample can be measured by measuring the intensity of the scattered light of the particles in the water. It is equipped with TEKSENS T810T sensor, can measure the turbidity of 1000NTU or suspended solids 2000mg/L

Application

Process Water
Cycle Water
Wastewater Treatment
Pure Water

Specification

Measuring parameter

Turbidity	0.0-10.00NTU / 0-100.0NTU / 0-1000NTU (0-4000NTU optional)
Suspended Solids	0.0-10.0 / 100.0 / 1000.0 / 2000.0 mg/L
Resolution	0.1 NTU, 0.1 mg/L
Accuracy	±2 f.s

Input

Measuring sensor

TEKSENS T810T high range turbidity/ suspended solids sensor
TEKSENS T820T low range turbidity sensor

Output	
Analog Output 1	4-20 mA isolated current output for turbidity/suspended solids sensor, it can be made to represent any segment of the measuring scale
Load	Max 600Ω
Analog Output 2	4-20 mA isolated current output for TEMP., it can be made to represent any segment of the measuring scale
Load	Max 600Ω
Relay 1&2 (Alarm)	
Operation	ON/OFF
Selectable Action	High / Low
Set Point	High/10.00 ppm; Low/4.00 ppm (adjustable)
Hysteresis	0.01 ppm (adjustable)
Relay Contacts	5A/250VAC; 5A/30VDC
Relay 3 (Washing Relay)	
Wash Interval	0.1 ... 1000 Hour
Wash Time	1-1000 s
Relay Contacts	5A/250VAC;5A/30VDC
Interface	RS 485 Modbus RTU
Baud rate	9600 bps
Data format	8 bit

General Information

Power Supply	90 - 260V AC, 50/60Hz; 24VDC(Optional)
Operating temperature	0 - 60 °C
Storage temperature	-20 - 70 °C
Humidity	Max. 90% rH at 40°C (non-condensing)
LCD display	Big-size screen of crystal display, white back light
Language	English
Passcode	Set mode: 0022, Calibration mode: 0011
Protection grade	IP65
Dimensions	160 x 166 x 73mm
Installation	Wall Mounting
Weight	1Kg

Order Guide

Type	Descriptions
T2906T	Turbidity/ suspended solids controller, 90 - 260V AC
T2906T.D	Turbidity / suspended solids controller, 24V DC
T810T	Turbidity/ suspended solidssensor,turbidity:0.0-1000.0 NTU,SS:0.0-2000 mg/L
T820T	Turbidity sensor, 0.0-10.00NTU / 0-100.0NTU