


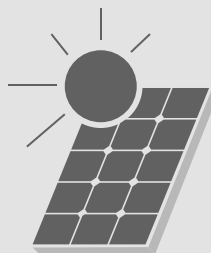
**AQUA  
SENSE  
STP**  <sup>TM</sup>

Sewage Treatment Plant Module

AquaSense STP is an online analyser used for monitoring flow discharge, pH, COD, BOD and TSS parameters.



Realtime  
SMS Alerts



Solar Powered  
Option



Analysis &  
Reporting

## Salient Features

- Reliable, Low maintenance design
- Integrated GPS & 3G/4G Modules for Location Tracking and wireless communication
- Supports you to monitor flow, pH, COD, BOD & TSS in real time from all your site stations from single centralized platform.
- Real-time alerts over SMS
- Customized reporting
- Real time & Historical data, trends
- Dashboards, reports, and export functionality

## FLOW

- Open channel & pipe flow measurement
- Ultrasonic non-contact & Capacitive level techniques
- Designed for dusty and humid indoor/ outdoor/ industrial conditions
- Easy mounting

## COD/ BOD/ TSS

- Reliable measurement without reagents
- Innovative long lifetime UV-LED technology
- Automatic air jet cleaning for all sensors.

## Specifications

pH Analyser	
Measurement Range	2 to 14 pH
Resolution	0.01 pH
Accuracy	± 0.1 pH (±1 digit)
Electrode Calibration	1 to 5 points calibration
Temperature	
Measurement Range	0 to 100 °C
Resolution	0.1 °C
Accuracy	±0.3 °C
General	
Power supply	230V AC, 50Hz
Interface	<b>Digital</b> RS232, RS485(Modbus RTU), Ethernet (TCP/IP) <b>Analog</b> 4 to 20mA
User Alarms	Two programmable alarms (5A @ 240V)
Enclosure	IP65 rated for outdoor installation
Cellular Network	Dual band GSM/GPRS/EDGE 900/1800 MHz Multi band L TE-TDD, LTE-FDD, WCDMA SIM card Interface

COD/BOD/TSS	
Measurement principle	Reagent-free UV-VIS absorption measurement. 2 LED (254nm, 530nm) with Photo Diode
Optical path	1mm/10 mm
Turbidity compensation	At 530 nm
Response time	4 sec
Measurement Range	COD: 0 – 1500 mg/L BOD: 0 – 500 mg/L TSS: 0 to 1000mg/L
Accuracy	0.2%
Resolution	---
Sample temperature	+2 to +40 °C
Ambient temperature	+2 to +40 °C
Storage temperature	+2 to +80 °C
Inflow velocity	0.1 to 10 m/s
Repeatability	----
Cycle time	---

# ELICO®

An ISO 9001:2018 | 14001 | 27001 Certified Company

B-90, A.P.I.E., Sanathnagar, Hyderabad 500 018, Telangana., India  
 Tel +91 40 44451234 Fax +91 40 23771639 info@elico.co

### Ahmedabad

ahm@elico.co  
+91 98241 75321

### Bengaluru

blr@elico.co  
+91 99000 28741

### Bhopal

bpl@elico.co  
+91 99930 96876

### Bhubanewswar

bbr@elico.co  
+91 7337442098

### Chennai

chn@elico.co  
+91 98402 65797

### Cochin

kel@elico.co  
+91 81291 84400

### Delhi

del@elico.co  
+91 98710 06104

### Guwahati

gau@elico.co  
+91 91211 77451

### Hyderabad

hyd@elico.co  
+91 99896 25457

### Kolkata

kol@elico.co  
+91 91211 77452

### Lucknow

lku@elico.co  
+91 91980 01666

### Mumbai

mum@elico.co  
+91 77100 96111

### Patna

pat@elico.co  
+91 91211 77450

### Visakhapatnam

vzt@elico.co  
+91 99899 94532

