

# UNIPHOS TSS Analyser



## Features

- Automatic cleaning of probe with high-pressure compressed air provides higher reliability than the mechanical blade
- No reagents
- Low operating cost
- No secondary pollution
- Fast response, suitable for online real time measurements



## Applications

- Effluent Treatment Plant
- Surface water Monitoring
- Industrial Process Waste-Water Monitoring

Uniphos Online TSS Analyser measures TSS of surface water, ground water, municipal water, industrial wastewater etc. It uses a IR light source and IR detector to measure in real time the above-mentioned water pollutants using scattering and absorption spectroscopic technique. It provides fast response and requires no chemicals for measurements. Its reliable electronics and sensor assembly ensures low cost of ownership for users.

The TSS Probe is supplied along with the controller which has a touch screen HMI for setting and display of various parameters. It incorporates a built-in solenoid valve for auto purging / cleaning the sensors.



Certificate No. IND86004/R1

*Due to continuing development we reserve the right to change specifications without prior notice.*

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## SPECIFICATIONS

Detection Principle	Optical Scattering and absorption TSS: 860 nm
Range	TSS: 0-1000 NTU (also available in mg/l)
Accuracy	+/- 10% (reading)
Response Time:	10 seconds
Calibration:	Calibration with Formazine standard for TSS.
Power requirement	DC 24 V for Probe, 230 V AC/ 50 Hz Uniphos Controller
Data communication	RS 485 (MODBUS-RTU Protocol) & 4-20 mA
Max. Load Resistance	500 Ω (on 4-20 mA O/P)
Display	4.3" TFT with touch screen (Uniphos Controller)
Body Material	SS 316
Operating Temp.	5 - 45 °C
Dimensions (H*L*B)	Probe: Diameter: 90 mm; Height: 320 mm Uniphos Controller: 260 X 160 X 90 mm
Instrument weight	Probe: 2.5 Kg , Uniphos Controller: 3.5 Kg
Cable Length	10 meter