

Agasthya 2021 Series Online Continuous Effluent Monitoring System Model BI 1000



Insitu Type



Extractive Type



COD/BOD/TOC/TSS Sensor



pH Sensor



NH₃/TN Sensor



Chlorine Sensor



Oil In Water Sensor

Agasthya 2021 Series Online Continuous Effluent Monitoring System Model BI 1000

Agasthya 2021 Series Online Continuous Effluent Monitoring System model BI 1000 is designed to measure different water quality parameters such as COD, BOD, TOC, TSS, pH, NH₃, TN, Chlorine, TDS/Conductivity, Oil in Water Sensor.

Applications:

- ❖ Effluent Treatment Plant
- ❖ Common Effluent Treatment Plant
- ❖ Secondary water supply
- ❖ Aquaculture Farming
- ❖ River water quality monitoring
- ❖ Environmental water discharge monitoring
- ❖ Point source solution monitoring
- ❖ Wastewater treatment works
- ❖ Diffuse pollution monitoring
- ❖ Groundwater water quality monitoring etc.

Features:

- ❖ Real-time water quality measurement.
- ❖ All water quality sensor are digital sensor with RS485 Modbus interface.
- ❖ Digital intelligent sensor can be arbitrarily combined, plug and play, and the controller can recognized automatically.
- ❖ 7" touch screen display, easy to operate & interface.
- ❖ Data logger function, all measured data will be recorded.
- ❖ Multi-parameters water quality Analyzer is equipped with USB interface; user can download report in excel format.
- ❖ Upto 9 parameters can be measured

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Technical Specification:

- Display : 7" touchscreen display
- Sensor Input : RS485 Modbus
- Power : 230 VAC or 24 VDC
- Digital Interface : RS485 Modbus
- Data Logging : Through USB
- Sensor IP Rating : IP68
- Controller IP Protection : IP65
- Electronic Enclosure Dimension : 320 (L) x 270 (W) x 121 (H) mm
- Cabinet Dimension : 600 (H) x 600 (W) x 250 (D) mm

Parameters	Range	Resolution	Accuracy	Measurement Principle	Sensor MOC
COD/BOD	0-500 mg/l, 0-1500 mg/L	0.01 mg/L	±5%	UV Absorption	316L (custom titanium available)
TOC	0-180 mg/L 0-600 mg/L	0.01 mg/L	±5%	UV Absorption	316L (custom titanium available)
TSS	0-300 mg/l 0-500 mg/l	0.01 mg/l	±5%	IR Nepheolometry	316L (custom titanium available)
NH4	0-1000 mg/l	+/- 0.1 mg/l	+/- 2.5 %	Ion Selective	PP+PVC
pH	0-14 pH	+/- 0.01 pH	+/- 2%	Electrochemical	PP
Chlorine	0-2mg/L, 0-10mg/L, 0-20mg/L	+/- 0.1 mg/l	+/- 2%	Potentiometric	Glass+POM
Oil in Water	0-5ppm 0-50ppm	0.01ppb ±	±3%F.S.	Ultraviolet fluorescence	316L

BHOOMI[®] Process Management Pvt. Ltd.
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