ASTERO SCAN NXT

Environmental compliance today cannot be managed with occasional manual testing alone. Collecting samples manually takes time, depends heavily on manpower, and there is always a possibility of missed readings or reporting delays. Apart from affecting operations, it can also create compliance issues and unnecessary pressure during inspections.

To address these challenges, we developed ASTERO SCAN NXT – our next-generation OCEMS solution.

The system continuously monitors effluent parameters and automatically transfers data directly to regulatory servers in real time. With dependable field instruments and a secure cloud-based monitoring platform, ASTERO SCAN NXT helps industries maintain compliance smoothly without the constant worry of manual monitoring and reporting.

Overall Size	300(H) × 400(V) × 150(D) mm
Enclosure	ABS Weatherproof IP65
Display	Touch Screen Display
Data Connectivity	4G
Measuring Method	Dual Wavelength UV Absorption
Compliance	IEC61000-4-4, IEC61000-4-5:2014, IEC61000-4-11:2020
Uptime	>98% Operational Reliability

All dimensions are in mm. H = Horizontal, V = Vertical

We offer tailored configuration designed to monitor both effluent and sewage liquid discharge with laboratory-grade accuracy. Keep tabs on your wastewater quality before it leaves your facility

WHY CHOOSE OUR OCEMS SOLUTION

- REAL TIME DATA TELEMETRY seamlessly transmits tamper-proof data to CPCB/SPCB servers and internal dashboards via secure cloud server.
- INSTANT SMART ALERT Receive email notifications when a parameter approaches its threshold, allowing corrective action before a violation occurs.
- BUILT FOR HARSH ENVIRONMENT Features ruggedized, weatherproof enclosures, anti-fouling sensor coatings, and automatic self-cleaning mechanisms.
- INTUITIVE USER INTERFACE Touch screen display for easy navigation and settings.
- HIGH DATA AVAILABILITY EQUIPPED with local data logging storage ensures no data is lost during internet or power outages.

SINGLE UNIT FOR MEASURING MULTIPLE PARAMETERS:

- BOD (0–100 ppm)
- COD (0–500 ppm)
- TSS (0–100 ppm)
- TDS (100–2500 ppm)
- pH (0–14)
- Turbidity (0–200 NTU)
- ORP (-1000 to +1000 mV)
- Flow & Volume

Sensor with Sensor Holder

Provision has been incorporated for optional upload of relevant data and compliance records on the CPCB/SPCB portal, wherever applicable.

ASTERO SCAN NXT								
GENERAL	Make	ASTER						
	Transmitter	ASTERO SCAN NXT						
	Sensor	UV absorption type						
SERVICE CONDITION	Fluid	Water						
	Operating Pressure	Not meant for pressurized line						
	Operating Temperature, ^{0}C	60° C Max						
INDICATOR	Type	Microprocessor based						
	Enclosure-MOC	ABS (Acrylonitrile butadiene styrene)						
	Enclosure Protection	Weather proof IP-65						
	Overall size	300 horizontal X 400 vertical X 150 depth mm						
	Mounting	Field/Wall						
	Power Supply	12 V D.C.						
	Serial communication	RS 485 MODBUS RTU						
	Display	7" Touch screen display						
	Programming	All parameters to be programmed through keypad on front panel						
	Electrical Connection	10 X PG 11 glands						
	Accuracy	+/- 2 % FSD						
	Resolution	pH : 0.01						
		ORP, TDS, Turbidity, COD, BOD, TSS : 1						
SENSOR		**pH sensor**	**ORP sensor**	**TDS sensor**	**COD sensor**	**BOD sensor**	**TURBIDITY sensor**	**TSS sensor**
	Electrolyte / Cell constant	0.1 M KCL	0.1 M KCL	1	N.A.			
	Shaft Material	Glass	Glass	SS 316	Corrosion-resistant plastic, stainless steel			
	Measuring Type	Glass Electrode	Glass Electrode	Contact type	Dual wavelength UV absorption			
	Process Connection	3/4" & 1/2" BSP M	3/4" & 1/2" BSP M	3/4" & 1/2" BSP M	3/4" BSP M			
	Mounting	Non pressurized online	Non pressurized online	Non pressurized online	Non pressurized online			
	Cable length	5 meter	5 meter	5 meter	5 meter	5 meter	5 meter	
	Range	0.00 to 14.00	-1000 to + 1000 mV	10 to 2500 PPM	1 to 500 PPM	1 to 100 PPM	1 to 200 NTU	1 to 100 PPM
SENSOR HOLDER	End connection	Inlet : 8 mm tubing			Outlet : 1/2" BSP F threading			
	MOC	PVC						
ACCESSORIES	Mounting Bracket for sensor holder	4'' U clamp + 6'' C clamp						

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