

NEXUS

Smart Water Quality Monitoring System



Able to Simultaneously Measure Water Quality Parameters & to Display & Manage Result Using Your Smartphone

NAHRIM helps water resource professionals to generate reliable data throughout entire water cycle, from measuring stream water quality to monitoring the effluent from dischargers.

NAHRIM's NexUS series, multi-parameter water quality instruments, are made with the industry's leading sensor and software technologies. NexUS series deliver the most accurate, reliable, and long-term water quality monitoring result through advanced sensor technology for water pH, EC, DO, Temp, ORP, turbidity, etc.

The state of the art SWQMS (i.e., smart phone based sensor interface) provides water resource professionals with the best portability, accuracy, reliability, usability, immediacy, and economics.

Fully featured application software allowing to manage and transfer measured water quality data using smartphone

Easy sensor calibration through built-in Bluetooth-based sensor control software

Hand-free record of multi-parameter water quality data along with on-site environmental condition and weather information

Display of real-time multi-parameter water quality data and Data transfer to water quality management server

Easy location of correct sampling position through built-in GPS technology



Advantages of NEXuS

- Ability to generate BOD₅ & COD (accuracy up to 80%)
- State of the Art Smartphone Sensor Interface
- Wireless Communication via Bluetooth Technology
- Extendable Water Quality Parameters
- Small and Portable NEXuS housing



NexUS measurement(Optional)	
Dimensions	90mm(D) * 400mm(H)
Weight	3 kg
Communications	Bluetooth, RS232(Optional)
Power	12V 1A Adapter
Sensors	Up to 6 sensors
Material	Acetal



Sensors				
	Type	Range	Resolution	Accuracy
pH	Glass electrode	0 to 14	0.01	±0.3
EC (mS/cm)	2 Electrode cell	0 to 10	0.1	±2%
DO (mg/L)	Polarographic	0 to 20	0.01	±2%
Temp (°C)	Thermistor	-5 to 70	0.1	±0.1 °C
ORP (mV)	Platinum electrode	-1000 to 1000		
Turbidity (NTU)	Optical 90° scatter	0 to 10	0.001	±2 % Wiper (optional)
		0 to 100	0.01	
		0 to 1000	0.1	
		0 to 3000	0.1	

CONTACT

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