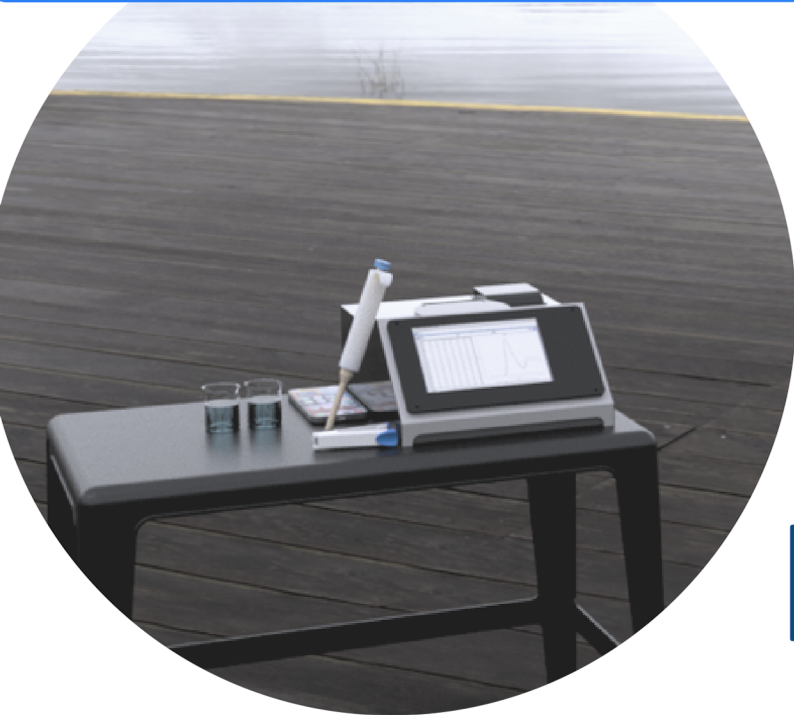


NEERSCAN

MultiParameter Water Analyzer
with Scanning based
spectrophotometer

MOTRAS
SCIENTIFIC



NEERSCAN

Spectro

TDS

pH

Turbidity

Temp

NeerScan is another revolutionary product developed by Motras Scientific Instruments as an application oriented **portable multi-parameter water analyzer with full integrated spectrophotometer & thermal printer.**

NeerScan is compatible with widely available reagents used for point-of-source water testing, and can test on 24mm round cell cuvette, 10mm regular cuvette, 50mm long path cell rectangular cuvette, 12mm & 16mm test tube.

The **software is open** and new test/reagents technique can be added by the user directly.

Apart from photometric technique based test, NeerScan also integrates laboratory grade pH, TDS, Turbidity, Temperature sensors to **record & print** all parameters of water testing **on the spot with GPS integration***.



Thermal
Printer



Ethernet
Connectivity



LIMS
Connectivity



On Board 128GB
with
USB Port as well

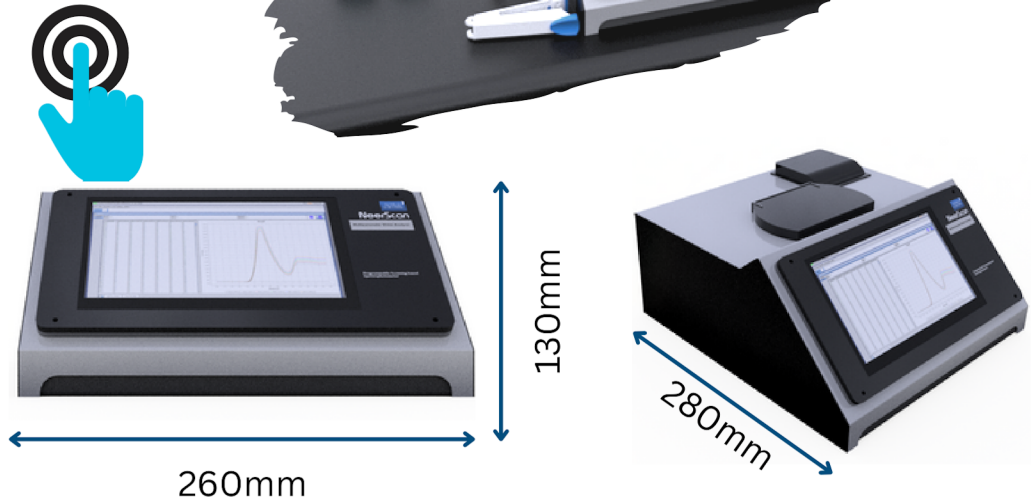


Wireless

Portable



NeerScan is portable, works on 12v DC with dimensions as 260x280x130mm only. That makes analysis on source a reality. With optional battery pack, NeerScan is ready for outdoor analysis.



Neerscan also gets option with intergated GPS and GPRS connectivity.

Cuvettes

Universal cuvette holder to accomodate path length as 10,12,16,20,24,50mm

Rectange	Round
10mm	12mm
20mm	16mm
50mm	24mm

Pre Programmed Tests



Parameter	Method	Range
ph	Potentiometer	0-14 pH
TDS	Electric Conductivity	0-1000 ppm
Temperature	Direct	0 - 60C
Turbidity	Nephelometric	0-400 NTU

Photometric Methods

Parameter	Range	Parameter	Range
Iron	0.02 - 3 mg/L	Ammonia	0.02 - 1 mg/L
Nitrate	0 - 30 mg/L	Cyanide	0.005 - 0.5 mg/L
Chloride with Residual	0.5 - 250 mg/L	Arsenic	0.005 - 0.5 mg/L
Phosphate	0.02 - 1.3 mg/L	Lead	0.1 - 5 mg/L
Phenol	0.1 - 5 mg/L	Cadmium	0.025 - 0.75 mg/L
Nickel	0.2 - 7 mg/L	Chromium	0.02 - 2 mg/L
Aluminium	0.01 - 0.3 mg/L	Zinc	0.02 - 1 mg/L
Fluoride	0.05 - 2 mg/L	Manganese	0.2 - 4 mg/L
Copper	0.05 - 5 mg/L	Total Alkaline	5 - 500 mg/L
Color	Hazel,Ture,Apparent	Total Hardness	20 - 500 mg/L
Sulphate	5 - 1000 mg/L	Generic	380-950nm

Specifications

Parameter	Details	Parameter	Details
Wavelength Range	380-950 nm	Interface	7" Color Touchscreen LCD
Photometric System	Split Beam	Data Interface	USB, Ethernet, Wireless, GPS, GPRS
Bandwidth	1.0 - 6.0 nm	Software	Pre-configured with option to add new test
Wavelength Increment	0.1 nm	Dimensions	260x280x130mm
Noise Level	0.005A	Power	12vDC Direct AC to 12vDC Adapter
Wavelength Accuracy	0.1nm	Weight	2 KG
Photometric Accuracy	0.002A @ 0.5A	Printer	In Built Thermal
ABS Range	-3.0A to 3.0A	Cuvette Type (mm)	10,12,16,20,24,50
Light Source	Micro Tungsten / Full Spectrum Day Like LED	Round Vials Compatible?	Yes - 12,16,24 mm
Supports Scan?	Yes	In Built Storage	128GB

Contact Us

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