

NITRITE ANALYZER

N2 4000 SERIES



FEATURES & BENEFITS

- Affordable real-time nitrite (NO_2) monitoring
- Multiple wavelength analyzer with LED technology
- Operator friendly, low maintenance design
- Built-in controller
- Quick and simple optical measurements
- Reagent free operation

WATER QUALITY
MONITORING
SOLUTIONS

OVERVIEW

Real Tech's Nitrite analyzer provides rapid real-time measurement of nitrite (NO_2) in water. Continuous nitrite monitoring can bring significant value to many applications especially for aquaculture.

MEASUREMENT PRINCIPLE

Real Tech's Nitrite analyzer utilizes light at various wavelengths for measurement. Many compounds absorb light in the UV-VIS spectrum including nitrite. How much the compounds absorb is directly proportional to their concentration, and compounds that may interfere with nitrite measurement are compensated for. Benefiting from Real Tech's innovative LED technology, accurate and stable measurements are obtained with minimal maintenance or operator intervention.



NITRITE ANALYZER SPECIFICATIONS

CHARACTERISTIC

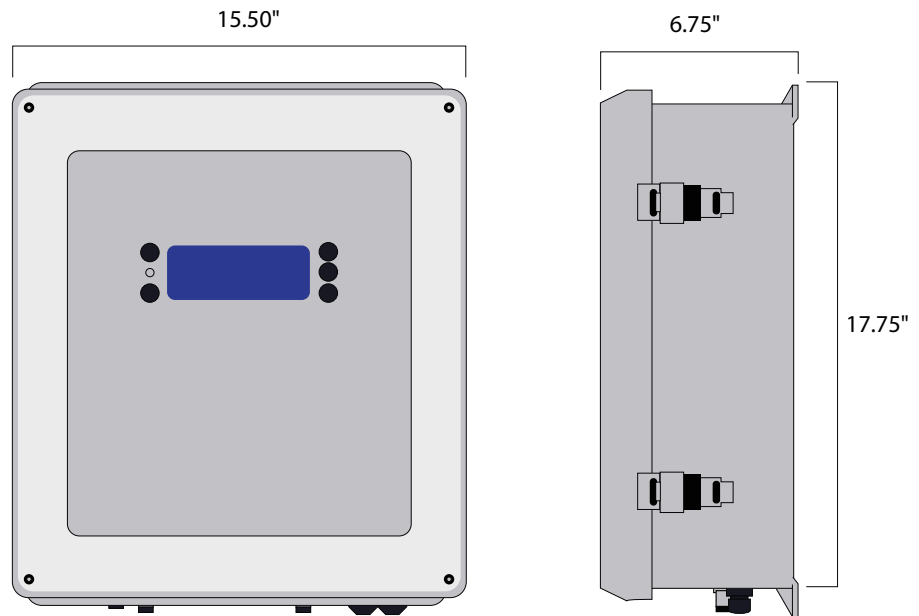
TECHNICAL DATA

MODEL	N24025	N24050	N24100	N24150
Path Length	25 mm	50 mm	100 mm	150 mm
Parameters	Nitrite (NO ₂)			
Range	Depends on model selected. Refer to range chart.			
Accuracy	± 1% FS			
Units	mg/L, ppm			
Sampling Time	30 seconds			
Calibration	Factory calibrated. Can be field adjusted if needed.			
Self-Diagnostics	Detection and diagnosis of internal system fault			
Operator Interface	Five push buttons to control a comprehensive hierarchical menu system			
Display	4 line x 20 character back-lit LCD with LED alarm			
Alarms	Dry contact terminals allow for operator configurable alarms for: high and low set points, low lamp output, leak detected, system fault, etc.			
Humidity Control	Humidity sensor with large plug-in regenerating desiccant system			
Outputs	Self-powered 4-20 mA, RS232 serial for PC			
Wavelength	UV and visible light wavelengths			
Light Source	LED			
Flow Rate	300-1000 mL/min			
Pressure Rating	20 PSI maximum			
Fluid Connections	1/4" OD tube push-in fittings			
Electrical	24VDC 40W power adapter (accepts 90-250VAC 50/60Hz)			
Storage Temp.	-20 to 60°C (-4 to 140°F)			
Operating Temp.	0 to 45°C (32 to 113°F)			
Max Water Temp.	70°C (158°F)			
Enclosure	NEMA 4X, wall mountable			
Weight	22 lb			
Dimensions	17"H x 14.25"W x 7.5"D			
Warranty	2-year limited warranty (Extended care packages available)			
Analyzer Upgrades	High Temp. Upgrade II, Cellular Modem			

* Technical Specifications are subject to change without notice.

DIMENSIONS

The nitrite analyzer is a bypass cabinet instrument installed directly on a wall, railing or system backboard. Sample is supplied to the analyzer from either a pressurized source or from an open-channel using an accessory pumping system.



ANALYZER MODELS & RANGE

Includes built-in controller, nitrite sensor, flow cell, dehumidifier and standard power supply. Additional accessories sold separately.

MODEL#	PATH LENGTH	NO ₂ -N mg/L	NO ₂ mg/L
N24025	25 mm	1.2 - 240	4 - 800
N24050	50 mm	0.6 - 120	2 - 400
N24100	100 mm	0.3 - 60	1 - 200
N24150	150 mm	0.2 - 40	0.7 - 130

ACCESSORIES

PRODUCT #	NAME	DESCRIPTION
S-214101	Cell Modem	Connectivity via cell connection for any Real Tech Analyzer
LAI-204112	Liquid Ai Dashboard	Annual Liquid Ai Dashboard remote monitoring service and data

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