PRODUCT SPEC SHEET

analyzer

NEXIS Aqua

The EST & TSHR Total Nitrogen Water Analyzer, model NEXIS Aqua, is the most compact and reliable TN water analyzer available, to detect precise nitrogen concentrations in a wide range of water samples.

Key advantages

- Accurate, Fast and Reliable Total Nitrogen Data
- Unique vertical catalyst-based furnace tube design for effective combustion and conversion to NO
- Regulatory compliance to ASTM D8083 and EN 12260 methods
- 30 or 120 positions Liquid autosampler with extended sample tray capabilities for high sample throughput
- Ease-of-Use and access to Perma Pure dryer

ENHANCE YOUR ROUTINE TOTAL NITROGEN WATER ANALYSIS

The NEXIS Aqua analyzes the Total Nitrogen (TN) content in water samples within 2-4 minutes based on High-Temperature Catalytic Combustion method principle. The reported TN concentration is the sum of nitrate-nitrogen (NO_3-N), nitrite-nitrogen (NO_2-N), ammonia-nitrogen (NH_3-N) and organically bonded nitrogen present in the sample.

The NEXIS Aqua configuration detects these substances through a uniquely high effective catalyst-based combustion tube design that includes a high quality Chemiluminescence (CLD) detector.

Customers in environmental labs throughout a variety of industries including waste incineration and chemical plants and refineries which require high productivity and precision will benefit from the NEXIS Aqua model TN water analyzer.

THE ULTIMATE CHOICE FOR FAST DISTINGUISHED TN WATER DATA

The NEXIS Aqua is compact and has no impact on the bench space. It is designed to run a wide range of water samples with small and large sample autosampler tray capabilities, to meet both small and high sample throughput lab requirements and provide Total Nitrogen sample data fully controlled and supported by NEXIS LINK software.

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TECHNICAL SPECIFICATIONS

Furnace Voltage	**24 V , 50/60 Hz**
Furnace Power	**300 W**
Furnace Temperature Sensor	**Ni-Cr/Ni**
Furnace configuration	**Single temperature controlled**
Furnace Temperature	**680 - 720 °C**
Detection Principle	**TN: Chemiluminescence (CLD)**
Dimensions	**Main instrument TN: 450 x 450 x 500 mm (WxHxD)***
	18 x 18 x 20 inches (WxHxD)*
PC operating system	**Windows 10 or higher**
Computer	**Intel Core i3 / AMD Phenom or better**
Software	**NEXIS LINK**
Optional Supply	**AS Liquid Autosampler with 30 or 120 positions for 2 mL vials**

**Excluding AS Liquid autosampler*

ANALYTICAL SPECIFICATIONS

Sample introduction	**Syringe**
Working range TN (CLD)	**0.1 - 1,000 mg/kg**
Sample Matrix	**Water samples**
Quantity of Sample	**5 - 100 uL**
Analysis Time	**2 - 4 minutes**
Relative Standard Deviation*	**< 2% (> 1 ppm)**
Regulatory compliance	**ASTM D8083, EN 12260**

**Depends on typical application and sample matrix*

FACILITY REQUIREMENTS

Voltage	**115/230 V ; 50/60 Hz**
Power	**1200 W**
Gas connector	**1/8" swagelok**
Gasses	**O_2 (99.6%) medical grade 2.6**
	or O_2 (99,995%) 4.5
Gas pressure	**2 – 3 Bar (30-45 psi)**
Ambient temperature	**5 – 35 °C (41 – 95 °F)**

CONTACT INFO

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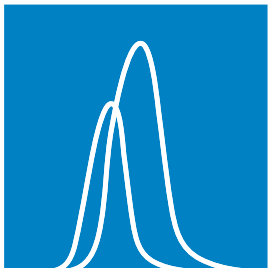
Visit our website to find your local TSHR distributor



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YOUR PARTNER IN COMBUSTION ELEMENTAL ANALYSIS

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