

PRODUCT SPEC SHEET

analyzer

NEXIS eQP



Key Advantages

Accurate and Reliable
Total Sulfur and Total Nitrogen
Results

Smallest bench space analyzer

Ease-of-Use and easy access self-
sufficient routine user maintenance

Small sample volumes and fast
analysis times of less than 4 minutes

Unique vertical NEX-Z™
combustion tube design for highly
efficient combustion

Liquid autosampler with
ONE-Cal™ single source calibration
standard feature

SIMPLIFY YOUR TOTAL SULFUR AND NITROGEN ANALYSIS

Now you can enhance the productivity of total Sulfur or total Nitrogen analysis in your lab with the new NEXIS eQP. The NEXIS eQP will accurately and precisely analyze either Total Sulfur or Total Nitrogen (TN) in liquid hydrocarbon, petroleum and Gas/LPG samples.

Quality Control and Production labs and terminals within the petroleum and petrochemical industry are looking for a simple, ease-of-use and reliable Total Sulfur and/or Total Nitrogen analysis for their routine samples. For analysis compliant with international standards like ASTM D5453, D6667 and D4629 methods the NEXIS eQP is the smallest benchspace Total Sulfur/Nitrogen analyzer available in the market that provides you accurate sample data within just a few minutes. The instrument configuration includes automatic syringe sample introduction, high temperature oxidation through the unique designed NEX-Z combustion tube followed by conditioning of the combustion gasses before entering a highly sensitive and reliable sulfur or nitrogen detector.

NEXIS eQP ELEVATES NEXT LEVEL OF EASE-OF-USE OPERATION

The NEXIS eQP is very compact to optimize lab bench space. It is designed to run a wide range of liquid hydrocarbon samples with small and large liquid autosampler capabilities, to meet both small and high sample throughput lab requirements and provide Total Nitrogen/Total Sulfur sample data fully controlled and supported by NEXIS LINK software.

TECHNICAL SPECIFICATIONS

Furnace Voltage	24 V , 50/60 Hz
Furnace Power	300 W
Furnace Temperature Sensor	Ni-Cr/Ni
Furnace configuration	Dual zone temperature controlled
Furnace Temperature	850 - 1100 °C
Detection Principle	TN: Chemiluminescence (CLD) TS: UV-Fluorescence (UVF)
Dimensions	Main instrument: 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 positions for 2 mL vials NEXIS GM LPG / Gas Module TRINITY Module NEXIS AI

*Excluding AS Liquid autosampler

ANALYTICAL SPECIFICATIONS

Sample introduction	Liquids Syringe
Working range TN (CLD)	Micro-liter Syringe
Working range TS (UVF)	0.1 - 10,000 mg/kg
Sample Matrix	0.1 - 10,000 mg/kg
Quantity of Sample	Liquid Hydrocarbons
Analysis Time	5 - 100 uL (default set at 20 uL)
Relative Standard Deviation*	3 - 6 minutes
Regulatory compliance	< 2% (> 0.5 ppm) ASTM D4629, D5453, D6667, D7183, D7184, EN ISO 20846

*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

E-mail:	sales.tshr@estanalytical.com
E-mail US only:	sales@estanalytical.com
Our website:	www.estanalytical.com

Visit our website to find your local TSHR distributor

