

PRODUCT SPEC SHEET

analyzer

NEXIS VP



The TSHR NEXIS VP Total Nitrogen/Sulfur analyzer is a vertical oriented combustion analyzer which provide customers an excellent tool to measure down to ultra trace level nitrogen/sulfur concentrations in liquids and LPG/Gas sample applications in compliance with international regulatory methods and standards.

Key advantages

Use of unique DSP Technology™ to obtain Accurate, Fast and Reliable Total Nitrogen/Sulfur Data.

Unique vertical NEX-Z™ VP combustion tube design for most effective combustion fitted in a warranty lifetime furnace.

AS120 Liquid autosampler with ONE-Cal™ single source calibration standard feature.

REGULATORY METHODS COMPLIANCE

Total Sulfur

- ASTM 5453
- ASTM D6667
- ASTM D7183
- ASTM D7551
- DIN 15486
- EN 15486
- EN 17178
- EN ISO 20846
- GOST R 56342
- IP490
- IP554
- ISO 20729
- SH/T 0689
- UOP 987 part A
- UOP 989

Total Nitrogen

- ASTM D4629
- ASTM D5176
- ASTM D7184
- DIN 51444
- SH/T 0657
- UOP 936
- UOP 971
- UOP 981
- ISO/TR 11905
- GB/T 17674
- JIS K 2609



TECHNICAL SPECIFICATIONS

Furnace Voltage	2 x 24 V , 50/60 Hz
Furnace Power	2 x 300 W
Furnace Temperature Sensor	2 x Ni-Cr/Ni
Furnace configuration	Dual temperature controlled
Furnace Temperature	1150 °C Max
Detection Principle	TN: Chemiluminescence (CLD) TS: UV-Fluorescence (UV-F)
Dimensions	Main instrument TN/TS: 600 x 1100 x 580 mm 24 x 43 x 23 inches (WxHxD)
PC operating system	Windows 10 or higher
Computer	Intel Core i3 / AMD Phenom or better
Software	NEXIS LINK
Optional Supply	AS120 Liquid Autosampler with 120 positions for 2 mL vials AS120 Liquid Autosampler with 40 pos. heated tray 72 pos. regular AS120 Liquid Autosampler with 40 pos. cooled tray 72 pos. regular NEXIS GM LPG/GAS Module TRINITY™ Module NEXIS AI

ANALYTICAL SPECIFICATIONS

Sample introduction	<u>Liquids Syringe</u> Micro-liter Syringe
Working range TN (CLD)	0,03 - 10,000 mg/kg
Working range TS (UV-F)	0,03 - 10,000 mg/kg
LOD (ISO 11843 method) for Nitrogen	< 2 ug/kg
LOD (ISO 11843 method) for Sulfur	< 2 ug/kg
Sample Matrix	Liquid hydrocarbons
Quantity of Sample	1 - 250 uL
Analysis Time	3 - 6 minutes
Relative Standard Deviation*	< 2% (> 0,5 ppm)

**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 Ar (99,998%) technical grade 4.8
Gas pressure	2 – 3 Bar (30-45 psi)
Ambient temperature	5 – 35 °C (41 – 95 °F)

CONTACT INFO

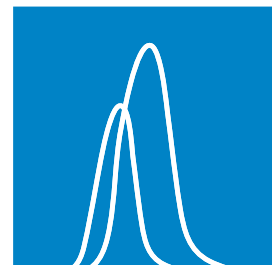
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