



// NITEX 1

The user-friendly gas conditioning module NITEX 1 of TE Instruments, is designed for reproducible elimination of interferences during low level sulfur analysis.

The analysis of low level sulfur in hydrocarbon products is nowadays challenged by interferences, which might increase the measured sulfur level dramatically. This could result into wrong decisions in terms of the production or refinery processes.

Unnecessary or corrective shutdowns are expensive. The Sulfur number should be right the first time!

TE Instruments has developed the **NITEX 1**, a gas conditioning system designed to eliminate specific interferences, which might increase the measured sulfur content.



The **NITEX 1** is the ultimate solution for obtaining the exact low level Sulfur number, even in samples containing Nitrogen levels well into the percentage range.

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Trace Elemental Instruments, Taking Sulfur Analysis to where it should be.

Simple and Easy Operation

TE Instruments **NITEX 1** is simply connected in-between the combustion gas stream and the UV-Fluorescence detector.

Just connect the oxygen supply and plug it in. It's ready to run.

Robust Performance for Extra Peace of Mind

With TE Instruments **NITEX 1**, you can rest assured that your samples are handled with the utmost precision and reliability, eliminating all Nitrogen interferences. The **NITEX 1** not only provides flexible and user friendly system connection, but it is also robust enough for high sample throughput environments.

The module is suitable for any sulfur analyzer and enables high reproducibility and low detection limits (depending on analyzer performance).

Typical applications

- S in hydrocarbons
- S in pyridine
- S in fuels (cetane improver)

NITEX 1 Module Specification

Dimensions (WxHxD):	17 x 40 x 52 cm (6.7 x 15.7 x 20.5 inch)
Gas connection:	1/8" Swagelok
Gas carrier:	Oxygen (O ₂)
Gas output:	Sample to liquid module vent
Flow carrier:	100 mL/min
Input pressure:	2-8 Bar
Ambient temperature:	10-35°C
Input Voltage:	100-250V, 50-60Hz
Power consumption:	90 Watt
Weight:	8 kg (35lbs)

A Complete Solution for your TS UV Fluorescence Analyzer

The **NITEX 1** comprises a stand-alone electronic control centre, pressure regulator, a flow controller, an ozone exterminator and a gas mixing vessel.

In addition, it includes all the necessary tubing and hook-ups to enable connection to both combustion system and UV-Fluorescence detector.

Empower your Sulfur Analyzer

The **NITEX 1** helps you getting the exact low level Sulfur number.

Nothing more....., nothing less.

