



| Analiz. TOC XPLOER -C



// XPLORER-C **Horizontal TOC Solids Analyzer**

The Xplorer-C Solids analyzer represents the ultimate combination of robustness, accurate sample analysis and user convenience. A manual or automated sample introduction by boat inlet provides Total Organic Carbon by High Temperature Oxidation within minutes. Xplorer-C analysis are controlled by TEIS Analytical software™.

All-In-One Footprint

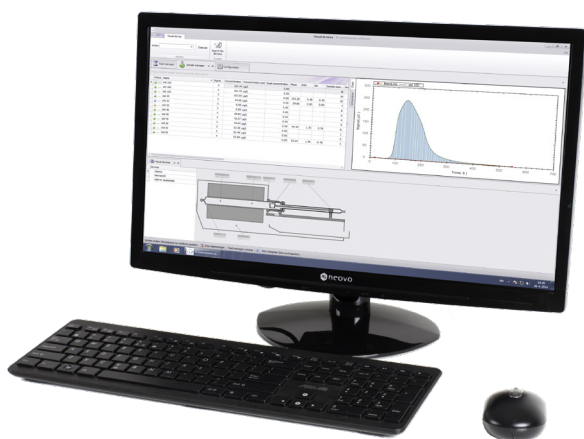
TE Instruments designed the Xplorer-C in a unique way by integrating the solids autosampler into the footprint of the analyzer. Up to 60 samples can be placed into the Newton Autosampler. The Xplorer-C enables its user to measure Total Organic Carbon (TOC) by introducing a sample by boat inlet into the high temperature dual furnace for total combustion. After complete combustion the quartz sample cups are collected separately to avoid accumulation inside the furnace tube. The combustion gasses follow a conditioning step to remove all moisture and particles before continuing to the Non-Dispersive-Infra-Red (NDIR) CO₂ detector. The Xplorer-C proves to be a true All-In-One Footprint solution, saving valuable bench space.

Features

Compact design, smallest elemental combustion analyzer available in today's market
Fast generation of sample queues and application methods with TE Instruments Software (TEIS)
Short start-up time (less than 15 minutes)
Fast and precise measurement of solid and sludge samples
Easy to use and intuitive user interface
Compact, stackable auto sampler for high sample throughput and low cost per analysis
Low maintenance, optimal combustion and conditioning of gases results in Minimum downtime

TE Instruments Analytical Software (TEIS)

Ensuring intuitive and smooth control of your analysis. The user interface of the TE Instruments Software (TEIS) hardly needs any explanation. Its simplicity ensures smooth operation of the Xplorer series, with intuitive controls and operation features. TEIS assists the user to achieve routine analyses in an efficient, fast and reliable way. Instrument operation remains simple. This resourceful software makes it possible to modify sample lists, evaluate data and calibration lines, completely independent. Results can be presented in customized print reports or exported in a variety of data formats. Sensor readings and generated log files help the user to handle daily matters and plan a service intervention ahead in time. No surprises!



Sampler Specifications

Dimensions (W x H x D)	36 x 27.2 x 69 cm 14.2 x 10.7 x 27.2 inch
Weight	29 kg (64 lbs)
Voltage	100-240 V, 50-60 Hz
Power requirement (max)	1150W
Gas connectors	1/8" Swagelok
Gases	Oxygen 99.6 % (4.6), Argon 99.998 % (4.8)
Input gas pressure	3-10 bar
Internal gas pressure	1.8 bar, adjustable
Furnace voltage	Dual zone, low voltage
Furnace temp. (max)	1150 °C (2100 °F)
Furnace cooling	Pulling Fan, auto control
Sample introduction	Solid introduction by quartz boat
Solids	5-1000 mg
Boat driver	Software controlled, adjustable
Slider/shutter driver	Software controlled, adjustable
Detector	CO ₂ NDIR
Detector accuracy	Better than 2% CV
Software	TEIS software
Ambient temperature	5-35 °C (41-95 °F)

