

INNOVATIVE TECHNOLOGIES

Carbon Sulfur Analyzer

TT-CSA-1500



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The **Carbon and Sulfur Analyzer TT-CSA1500** from Torontech provides rapid and precise analysis of carbon and sulfur content in various solid materials.

Conforms to **international standard** including **ASTM E1019, DIN EN ISO 9556, and DIN ISO 15350**, it features a high-frequency furnace and infrared detection for accurate results. The TT-CSA1500 ensures thorough combustion and optimal conditions for analysis. The adjustable furnace power and solid-state IR detectors measure the resulting CO₂ and SO₂ gases.

The TT-CSA1500 offers exceptional speed, precision, and sensitivity. It is user-friendly, requires minimal maintenance, and ensures consistent, high-quality performance for all your analytical needs.



APPLICATION

Field of Application

- Construction materials, engineering / electronics, geology / mining, glass / ceramics, steel / metallurgy.

Typical Sample

Solid materials, particularly metallic materials, but also works well with other inorganic materials such as ceramics, ores, cement, and clays.



FEATURES/ADVANTAGES

➤ Efficient Analysis and User-Friendly Interface:

Our user-friendly software simplifies analysis, allowing you to focus on results while achieving simultaneous carbon and sulfur analysis with minimal sample prep.

➤ Cutting-Edge Technology for Reliable Results:

Utilize our system's advanced infrared technology with optimized optics for precise and rapid measurements of a wide range of inorganic materials.

➤ Dependable Hardware and Low Maintenance Design:

Count on our reliable electronics and hardware for quick troubleshooting, while our sturdy design ensures minimal maintenance needs, suitable for both production control and laboratory settings.

➤ Auto Cleaner for Hassle-Free Maintenance:

Experience hassle-free maintenance with our Auto Cleaner, removing dust noiselessly and vacuum-free directly into the crucible.

TECHNICAL SPECIFICATION


ITEM	TECHNICAL PARAMETER
Measured elements	Carbon(C) 0.0001% -15.0000% , Sulfur (S) 0.0001% -5.0000%
Samples	Inorganic
Electronic balance	Weighing range: 0-100g (resolution 0.0001g)
Furnace alignment	Vertical
Sample carrier	Ceramic crucibles
Furnace	High frequency furnace, 3.5KVA 20MH z
Detection method	Solid state infrared absorption
Typical analysis time	26 - 60 s, Average: 35 s

ITEM	TECHNICAL PARAMETER
Gas required	Industry Oxygen 99.2 %
Voltage	AC 220 V, ±5% 50H z±2% (110V also available upon request)
Dimensions (W x H x D)	54 x 81 x 60 cm
Weight	80kg (176 lbs)
Required equipment	Electronic balance, monitor, PC
Operating temperature	0-30 °C RH:<75%
Optional accessories	Printer, PC




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