

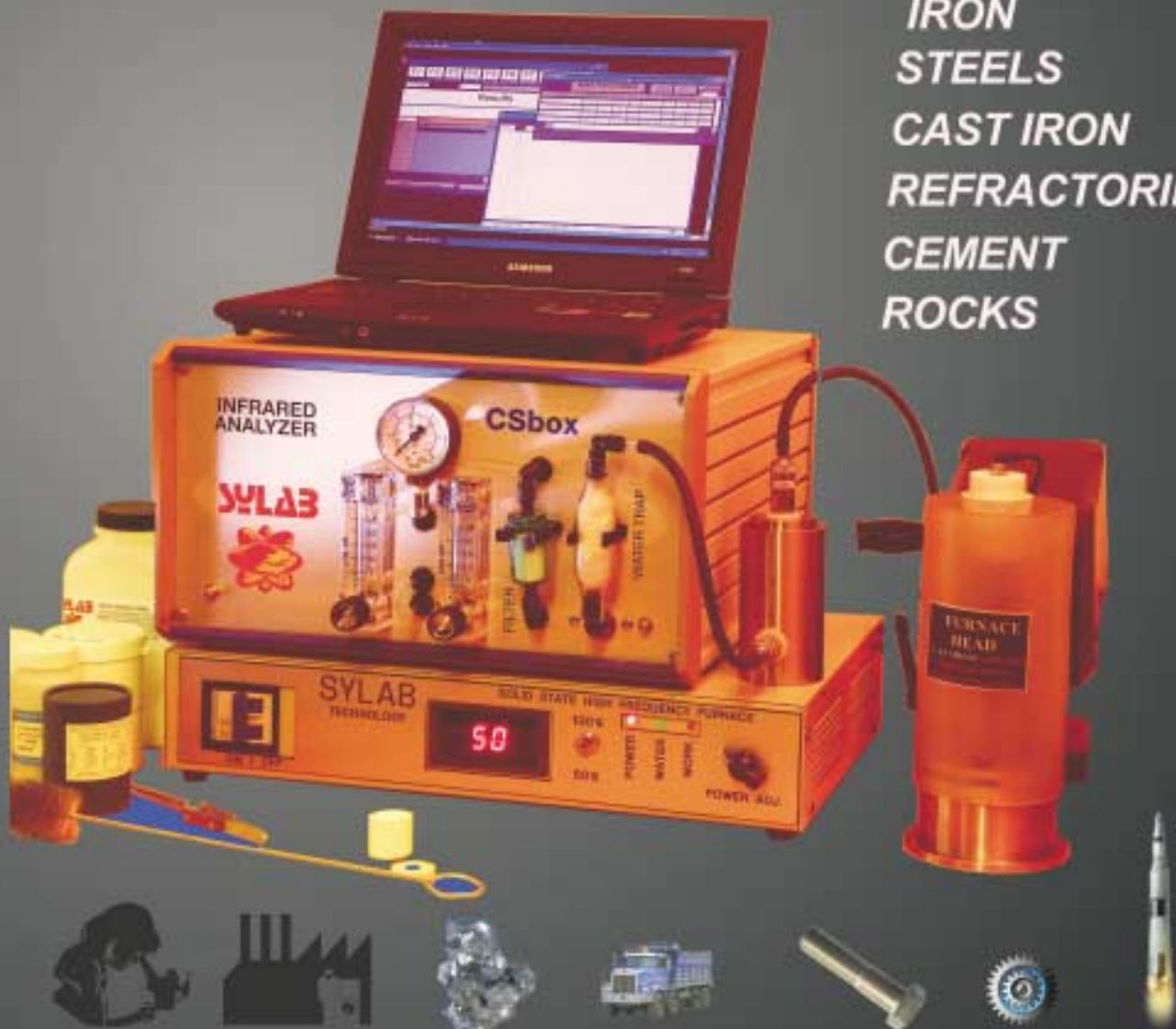
SYLAB



CSBox-HF

Carbon & Sulfur Determinator

**IRON
STEELS
CAST IRON
REFRACTORIES
CEMENT
ROCKS**



The latest technology in the service of the Analysis

High Security for the users and for the environment : 12 Volts and 1 MHz operation

More power than in a conventional High Frequency Furnace using the old tube technology

New technology of the Static devices used for the infrared emission and the infrared detection

Fully controlled by USB, software and drivers compatible with XP, XPe, Vista, W7(32), W7(64)

Tool free service, fast and easy , especially for a use in glove box

Major Balance Brands Communication Protocols Included

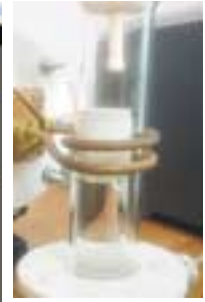
3.5 kW - 24 kg



High quality infrared Cells for precise and stable signals and performances in Analysis of: iron, steel, carbides, high Alloy steels, nonferrous metals, rocks ...



A very intuitive powerful setup, with 8 analysis Channels



Secure (12 Volts) and very convenient for a use in glove boxes (zero tool required for the service)

MEASURING RANGE

C: 0.001 to 4 % , to 100% with 50 mg Sample

S: 0.002 to 1 % with 1 g Sample

ACCURACY: +-1% relative (most samples)

ANALYSIS TIME: 20 to 60 sec typical

SAMPLE WEIGHT: 100 to 2000 mg

Combustion method: High Frequency Solid State Furnace



The first Solid State High frequency furnace used for Carbon and Sulfur Analysis in the World. 12 kilograms, 3.5 KW, 12 Volts: more power, more security, more robust, lighter, smaller, cheaper. Bring the **MODERNITY** in your LAB



HF RUNNING PRINCIPLES

For a Steel Analysis, a one-gram sample is placed in a ceramic crucible with one gram of accelerator (copper or tungsten or tin). The crucible is placed into the high frequency combustion device. Thanks to an oxygen flow during the quick high power induction heating, the steel is burned releasing CO₂ and SO₂ gases, analysed by the infrared cells inside the CSBox. The results and the combustion curves are displayed in real time and stored in the Database of the USB connected computer. Because of the exclusive design of the combustion device, all the periodic cleaning are made in an incredible short time by any, even not specialist staff in your lab : **THE SECURITY IS MAXIMUM** (The Voltage in the HF device, never exceed 20 Volts !!!)

CSBox-HF is an analytic equipment for the Carbon and the Sulfur détermination in Inorganic and Metals . The system consists in one CSBox connected with the new generation of High frequency furnace. Reliable and precise results, here, as example, BAS-BCS 472/2 reference material, analysed in not-calcinated crucibles

SYSTEM OVERVIEW

Samples are accurately weighed on the interfaced electronic balance. The operator can choose between the following included protocols: Sartorius, Adam, Ohaus, Mettler or a manual entry. The sample weight is automatically transferred into the stack area of the memory. The analysis time depends of analyzed Sample (generally between 30 to 40 seconds). The computer is driving the CSbox through a USB port, the software, delivered on a CD, is running under Windows 7 or XP, you can use a dedicated computer or your laptop.

	Analyzer CSbox	Furnace
Ref:	CSbox-S or CSbox-C or CSbox-CS	3.5KW Induction
Height	200 mm	90 mm
Width	360 mm	440 mm
Depth	360 mm	280 mm
Weight	10 kg	6 kg + 6 kg (Electronic + Head)
Voltage	180-240 Vac 1phase	180 -240V 1 phase
Amps	0.75A	16A

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