



碳/氢/硫分析仪

CHS-580A

ELTRA CHS-580A 碳/氢/硫分析仪
 36或130个位置 同时提供耐酸配置
 TOC 1°C 1550°C 500°C
 CHS-580 A

优势 CHS-580A

- 快速、同时测量碳、硫和氢。
- 可设置为单元素(C或S)或多元素(C/S或C/H/S)分析
- 很宽的浓度范围，从0.005 - 100 %。
- 可对复杂样品进行高称样量的元素分析
- 可选自动进样器，有36或130个位置（同时提供耐酸配置）。



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操作和分析流程

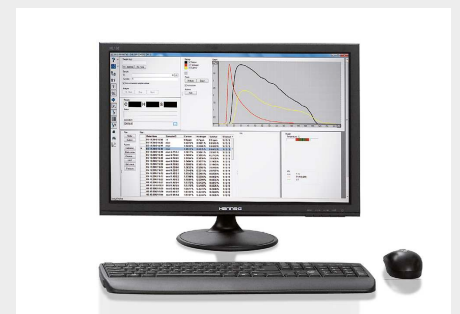
CHS-580 A元素分析仪的操作简单、快速、方便。样品经称重后在软件中可选择手动分析或通过自动进样器分析。典型样品重量在50到500毫克之间。开始分析后，样品被引入炉内，燃烧气体CO₂和SO₂在多达四个红外测量单元中被测量。元素分析的结果可通过LIMS、报告或文本文件导出。



将样品名称输入到软件中，并进行称量。



将样品放入自动进样器并进行分析

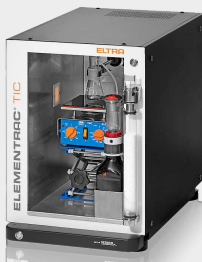


测量结果并输出数据

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配置和选配

元素分析仪CHS-580 A可以根据客户要求进行配置。C、H、S和C/H/S配置可为每种元素配备2个红外测量单元，以覆盖广泛的工作范围。还可配置用于高浓度硫测定的测量单元。ELTRA CHS-580 A系列完美地配备了符合DIN EN 15936标准的TOC分析，可选耐酸自动进样器，以及可选TIC模块。可选择带有130个位坩埚的自动进样器，用于高通量样品的元素分析。



带有可选TIC模块的分析仪



130位坩埚自动进样器



带有耐酸塑料坩埚支架的自动进样器

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典型样品材料

CHS-580 A???????????????????? 尘土, 建筑材料, 煤炭, 焦炭, 石膏, 石灰石, 油, 植物原料, 橡胶, 砂子, 土壤, 煤烟, 烟草, 废料, ...



煤炭



土壤



烟草

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作用原理

?CHS-580A????????????????????1550°C????????1°C????????????????CO₂?H₂O?SO₂????????
????????????????CO₂?SO₂????????????????????????????????

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技术参数

分析元素	碳, 氢, 硫
样品	有机样品
炉子校准	垂直
载样	陶瓷坩埚
应用领域	农业、生物、化学 / 塑胶、煤炭 / 发电厂、建筑材料、环境 / 循环再造、医药 / 药物
炉子	电阻炉（陶瓷管），最高可达1550°C（1°C可调）
检测方式	固态红外吸收
红外检测池数量	1 - 3
红外检测池材料	镀金
典型分析时间	60 - 180 s
化学品	高氯酸镁, 氢氧化钠
载气	99.5 %纯氧 (2 - 4 bar / 30 - 60 psi) 压缩空气 (4 - 6 bar / 60 - 90 psi)
功率要求	230 V, 50/60 Hz 最高加热功率2000 W
设备尺寸（宽x高x深）	55 x 100 x 60 cm 85 x 35 x 45 cm (130位坩埚自动进样器)
重量	~ 90 kg (分析仪) ~ 15 kg (130位自动装样装置)
所需设备	电脑,显示器,天平(精度0.0001克)
所需配件	自动进样器(36或130个坩埚用)
选配件	稳压器5 KVA, TIC模块

www.eltrachina.cn/chs580A

ORDER DATA

ELTRA CHS-580A

(Please order PC, monitor, balance, Autoloader and consumables (starter-kit, anhydrous, sodium hydroxide) separately)

Measuring ranges at 500 mg sample weight

2)

88100-4028		CHS-580A	1xH	0.01 – 15% H
88100-4026		CHS-580A	1xC + 1xH	0.01 – 100% C 0.01 – 15% H
88100-4027		CHS-580A	1xS + 1xH	0.005 – 2% S 0.01 – 15% H
88100-4024		CHS-580A	2xC + 1xH	0.001 – 5% C 5% – 100% C 0.01% – 15% H
88100-4023		CHS-580A	1xC + 1xH + 1xS	0.01 – 100% C 0.01 – 15% H 0.005 – 2% S

Further measuring range combinations on request

REQUIRED ACCESSORIES

PC, MONITOR, BALANCE

71015-1000	Computer with Intel Core i5-8400 Processor, 256 GB SSD; 8 GB RAM; Windows 10 operating system; keyboard; mouse
88400-0584	Monitor, TFT (23.8")
88400-0645	Balance (resolution 0.0001 g)
14535	Autoloader for 36 crucibles
14535-1001	Autoloader for 36 crucibles, acid resistant
14533	Autoloader for 130 crucibles
14533-1001	Autoloader for 130 crucibles, acid resistant

REQUIRED CONSUMABLES / CHEMICALS FOR FIRST OPERATIONS

88500-0006	Starter-kit for 500 analyses CHS 580A (500 crucibles, 50 g glass wool, 100 g Combsolid)
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90200		Anhydron (magnesium perchlorate), 454 g 1)
90210		Sodium hydroxide, 500 g 1)

FURTHER OPTIONS AND CONSUMABLES

ACCESSORIES (HARDWARE)

88200-3800		TIC-Module
72070		Oxygen regulator
88400-0610		Barcode scanner
88600-0015		Crucible holder

CHEMICALS (FILLINGS FOR GLASS AND QUARTZ TUBES)

90200		Anhydron (magnesium perchlorate), 454 g 1)
90210		Sodium hydroxide, 500 g 1)
90331		Glass wool, 454 g
90332		Glass wool, 50 g
92610		Tube of high vacuum grease, 35 g
88600-0008		Combsolid, 100 g
91000-1005		Copper, flakes, 25 g
90840		Quartz sand, 100 g
88400-0508		Steel wool

CRUCIBLES

90149		Ceramic crucibles, premium, Ø 1", foil-wrapped, 1,000 pieces
90148		Ceramic crucibles, premium, Ø 1", bagged, 1,000 pieces
88400-0176		Ceramic filtering crucibles, 100 pieces
88400-0142		Filtering crucibles, 100 pieces, small version

REAGENT TUBES

09090		Reagent tubes 32 x 280 mm, 1 piece
09092		Reagent tube XL size, 54 x 36 x 280 mm
09093		Reagent tube XXL size, length 280 mm

TOOLS FOR OPERATION: SPATULAS, TWEEZERS, TONGS AND OTHER

88400-0229		Tweezers (160 mm), curved, 1 piece
88400-0472		Tweezers (145 mm), straight, 1 piece
88400-0475		Set with 6 spatula and 1 tweezers
88400-0477		Weighing boat, 1 piece, for weighing and usage of granulates
90145		Tongs for ceramic crucibles and boats, 220 mm, 1 piece
90146		Steel pot for preheated crucibles and used crucibles

TOOLS FOR MAINTENANCE

35400-8000	Maintenance kit CS-580A
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71010		Brush, 16 mm, 1 piece, for cleaning balance from dust
88400-0473		Powder funnel (plastics), 1 piece, for easy filling of chemical tubes
88400-0490		Rubber plug 29 x 35 x 30 mm, 1 piece, for sealing big glass tubes like 09090
88600-0026		Anhydrone filter tube

CALIBRATION MATERIALS

Calibration materials may show slight variations depending on the current lot.

To see the current certification please visit www.ELTRA.com.

COAL: CERTIFIED SULFUR CONTENT

92511-3005		Coal, 50 g, < 0.1 % S
92511-3010		Coal, 50 g, 0.1 – 0.5 % S
92511-3020		Coal, 50 g, 0.5 – 1.0 % S
92511-3030		Coal, 50 g, 1.0 – 1.5 % S
92511-3040		Coal, 50 g, 1.5 – 2.0 % S
92511-3050		Coal, 50 g, 2.0 – 3.0 % S
92511-3060		Coal, 50 g, 3.0 – 4.0 % S
92511-3070		Coal, 50 g, 4.0 – 5.0 % S
92511-3080		Coal, 50 g, >5.0 % S

COAL, PREMIUM, C/H/N/S, ASH, VOLATILE CONTENT, CERTIFIED

92550-3010	Coal, premium, 50 g, < 1.0 % S
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92550-3020		Coal, premium, 50 g, > 1 % S
92550-3040		Coal, premium, 50 g, 1.0 – 3.0 % S
92550-3060		Coal, premium, 50 g, > 3.0 % S

COKE, PREMIUM, C/H/N/S, ASH, VOLATILE CONTENT, CERTIFIED

92560-3010		Coke, premium, 50 g
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PET COKE, PREMIUM, C/H/N/S, ASH, VOLATILE CONTENT CERTIFIED

92570-3020	Pet coke, premium, 50 g, > 1 % S
92570-3040	Pet coke, premium, 50 g, > 1 % S

OTHER

90812-3001		Limestone, 25 g, 0.04 % S
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90812-3002		Limestone, 25 g, 0.4 % S
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90812-3003	Limestone, 25 g, < 5 % C
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90812-3004	Limestone, 25 g, 5 – 10 % C
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90817-3001	Soil, 25 g, > 2 % C, S
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90817-3002	Soil, 25 g, < 1 % C, S
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90817-3003	Soil, 25 g, > 2 % C, S
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90817-3004	Soil, 25 g, > 2 % C, S
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91900-1001		Ore, 30 g, ~1.4 % S
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91900-1002		Ore, 30 g, ~4.2 % S
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91900-1003	Ore, 30 g, ~3 % S
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PRIMARY SUBSTANCES FOR CALIBRATION

90710-3010



EDTA, 50 g

90710-3030

Sucrose, 50 g

90810



Calcium carbonate, 100 g

90821



Barium sulphate, 50 g

90824



Sulfanilic acid, 50 g

91900-2001

Zinc sulfide, 50 g, 32 % S

Please note: Every analyzer requires PC, monitor, balance and some consumables (crucibles, chemicals) which have to be ordered separately