

X-RAY FLUORESCENCE ANALYZER Beethor X3G 800



1. 技术参数:

1.1. 工作条件(working condition)

- 工作温度: $-10-50^{\circ}\text{C}$ (Work temperature: $-10-50^{\circ}\text{C}$)
- 相对湿度: $\leq 70\%$ (Relative humidity: $\leq 70\%$)
- 电 源: DC :8V (DC power :8V)

1.2. 技术性能及指标: (Specification)

- 元素分析范围从钙(Ca)到铀(U) (Elements can be analyzed from Ca to U);
- 元素含量分析范围为 10 PPm 到 99.99% (Analysis contents of elements from 10 ppm to 99.9%);
- 测量时间: 10-90 秒 (Testing time : 10-90 seconds);
- Beethor X3G 800 检测其限度最高达 10ppm; (The limited detection hazardous elements up to 10ppm)
- 多次测量重复性可达 0.1% (总荧光强度) (当样品含量大于 96%); (The measurement repeatability on many occasions up to 0.1%, (all intensity of fluorescence) under the condition that the content is above 96%)
- 长期工作稳定性为 0.1%; (总荧光强度) Long-term working stability being 0.1%. (all intensity of fluorescence)
- 能量分辨率为 195 ± 5 电子伏特 (Energy resolution : 195 ± 5 eV) ;
- 温度适应范围为 -20°C 至 50°C (Temperature of suitability from -20°C to 50°C);

- 电源：直流 8V (*Power supply. DC 8 V*);
- 相互独立的基体效应校正模型 (*The correction model of relative independent matrix effect*);
- 多变量非线性回归程序 (*Multivariate nonlinearly recycle program*);
- 任意多个可选择的分析和识别模型 (*Arbitrary optional analysis and identification model*);

2. 仪器硬件部分主要配置 (Hardware parts configuration)

2.1 硅针半导体探测器+放大电路 (Si-pin semiconductor detector + amplifier)

- 电制冷半导体探测器；分辨率：<200ev 电子伏特
(Semiconductor detector cooled by electricity; Energy resolution :<200eV)
- 对样品特征 X 射线进行探测；把探测采集的信息,进一步放大。对样品的检出限、测试精度大大提高。
(It's used to detect the characters X-Ray from the samples, to collect the information and amplify it).

2.2 微型 X 射线发生器光管 (X-Ray Tube):

- 使用寿命大于 2 千小时 (Minimum lifespan is more than 2,000 hours)
- 产生对样品激发 X 射线 (Emitting X-ray towards to the samples)
- 电压：4KV~50KV, 200 微安 (Power 4KV to 50KV, 200uA)

3. 仪器外围设备配置 (Peripheral equipment configurations)

3.1 个人数字助理 (PDA)

- 作用：用于协助 X-Ray 分析仪进行数据处理(Help with data processing of the analyzer)
- 配置：操作系统 OS: Windows CE

3.2 可充电式电池及专用充电器 (Rechargeable battery and Recharger)

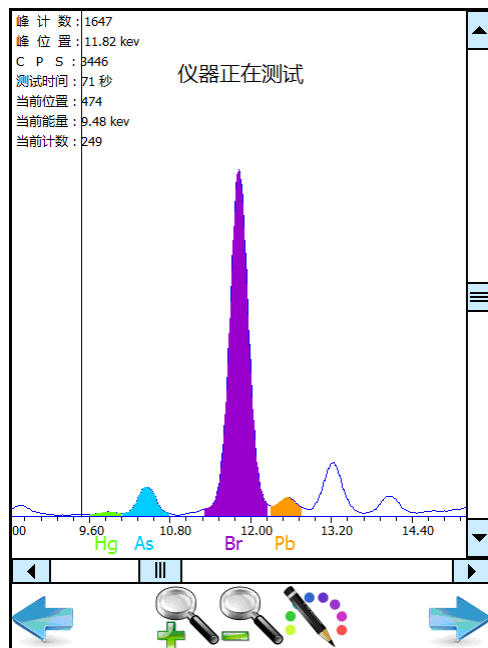
- 作用：为设备提供电源 (Supply power for machine)

4. 仪器软件配置: (Software of the instrument)

- 同时可分析几种元素，分析时间短到 10-90 秒(simultaneous analysis for several elements within 10 to 90 Seconds)
- 可自动对仪器初始化校准 (Automatic initialization and calibration)
- 具有多种光谱拟合分析方法 (Multi-analysis of the spectrum)

4.1 分析软件 (analysis software)

- 功能介绍： 分析中各元素的含量。(Analysis of ore content of each element.)
- 针对检测，进行的专业化设计的软件，更具有针对性。(professional software special)
- 操作界面简洁，使用方便，无需专业人士操作(easy-operating interface, be mastered even by laypeople.)
- 中英文界面自动切换，并具有第三方语言编辑功能(automatic switch from Chinese to English version, still space for the 3rd version language)
- 方便的报告输出方式，可直接打印出 JPG 格式测试报告 (optional output modes, JPG format, and anti-edit report format.
- 仪器的校对方便、简单(easy and convenient calibration for instrument)
- 并可实时显示测量结果，方便客户缩短测量时间。(Real-time display the testing results, shorten the whole testing time)
- 检测分析谱图式样： (Inspection analysis spectrum)



注：本图片样式只供参考，不代表真实测试结果
(remark: the above photo is only for reference)

5. 样品配置 (Standard Samples)

- 标样 (Samples), 纯银样品