

## X-RAY SOURCE RS 40B1

### Description

The RS 40B1 is a new, high intensity twin anode Al/Mg X-ray source optimized for XPS experiments.

### Application

Design of the anode, filament and source housing guarantees maximum X-ray intensity and very low cross-talk between the anode faces. A specially configured nose cone allows maximum access to the sample.

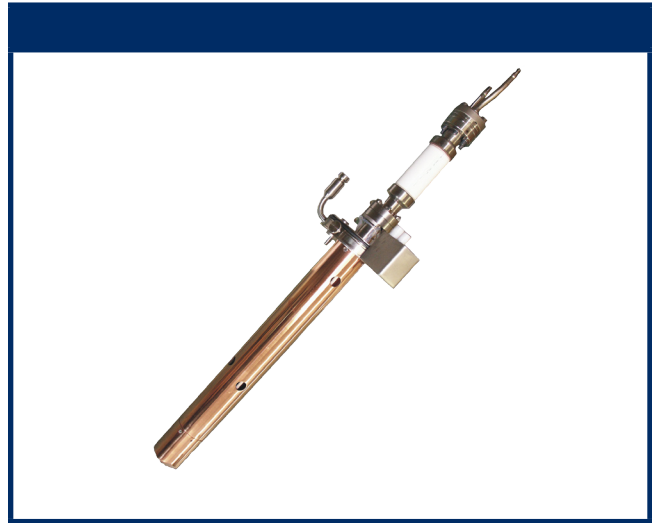
### Additional information

- The X-ray inner housing is very efficiently water-cooled in order to reduce thermal damage to the sample during operation.
- The RS 40B1 has in-built double high voltage protection together with hermetically sealed housing.

To operate on X-Ray Source RS 40B1 the set of electronics is necessary:

- Cooling Box CB01
- Emission Controller XR40B-EC
- Linear Shift or Linear Shift with Tilt (optional)

For additional information about control and supply please refer to chapter **H Electronics** and **I Software**



### Specification

Anode	Al/Mg coating other materials on request
Power	Mg/Al 400/600 W
Cross talk	<0,35 %
Magnetic field	at sample below 0,5 $\mu$ T
Z-retraction	optional: 50; 75 or 100 mm (also with tilt system)
Bakeout	up to 250°C
Water cooling	4,5-5 bar, flow $\geq$ 2,5 l/min.

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