

# XRS 2013 & XPSU 300

## Twin anode X-ray source with PSU for surface analysis



vs $\mu$ analysis

**This new X-ray source for surface analysis application combines high power ease of use, advanced cooling system with modular construction for easy handling**



### Construction for a user in mind

#### X-ray Spectrometry (XPS)

- 1000 W max power
- Self cleaning anodes
- MgKa/AlKa radiation as standard
- Additional water cooling of the cup for temperature stabilization of samples
- Other anodes as an option

#### Construction Features

- Modular construction
- Simple anode exchange
- Standard quick assembly water fittings
- Standardized connector for filament supply

#### Safety & Transport

- High voltage interlock
- Vacuum interlock
- Water flow interlock
- HT & Current Trip
- Secure transport in protective vacuum envelopes and Argon atmosphere

#### XRS power supply

- 15kV / 20mA psu
- Built in the latest resonance mode technology

VS MicroAnalysis

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# Product Range & Specification



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## Ordering Information

XRS 1000	X-ray source assembly
AN01	Twin anode assembly
AN00-Mg/Al	Twin anode renewal
AN07	Anode 20kV spacer
AN06	Anode water cooling assembly
AN03	Anode ceramic centering spacer repair kit
XFIL01	Dual filament assembly
XFIL02	X-ray filament feed-through
XRS W	XRS water connection unit & 10m PTFE conduits, water & HT con-
LMD 25	25 mm linear motion drive
WMD 05	5 mm wobble motion adjuster
XPSU 15P350	X-ray PSU
XPSU 300-01	XPSU Cable accessories

## XRS 1000 Configurations

<b>AN01</b>	Twin anode assembly
<b>RQ02-RQ06</b>	X-ray source body Amphenol connector & cable for filament
<b>AN07</b>	Anode 20kV spacer Industry standard water connection
<b>RQ08</b>	Protection cover
<b>RQ13</b>	Protection vacuum envelope with inert gas
<b>XRSW</b>	Water connection box, 10m PTFE conduits, HT cable, interlocks

## XPSU 300 Specification

HT Module	cable
Technology	Resonance mode PSU
Voltage output	0-15 kV variable
Max emission current	0-20 mA variable
Max voltage ripple	0.1% FSD
Line regulation	0.5%
Load regulation	0.5%
Temperature coefficient	<300ppm
<b>Filament Module</b>	
Output voltage	10V
Output current	6A variable
Line regulation	1%
Ripple	<1%
Temperature Coefficient	<300ppm

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