



# S8 TIGER Series 2

● Spectrometry Solutions



Innovation with Integrity

XRF

## Technical Data

Systems	<b>S8 TIGER 1K</b>	<b>S8 TIGER 3 kW</b>	<b>S8 TIGER 4 kW</b>
	1 kW 50 kV max. 50 mA max.	3 kW 60 kV max. 150 mA max.	4 kW 60 kV max. 170 mA max.
<b>X-ray tubes</b>	Rh, 75 µm Be Window	Rh, 75 µm Be Window Rh, 50 µm Be Window, SampleCare protective coating Rh, 28 µm Be Window, SampleCare protective coating Cr, max.3.3 kW	Rh, 75 µm Be Window
<b>Collimator</b>	Automatic collimator changer (up to 4)		
<b>Analyzer crystals</b>	Automatic crystal changer (up to 8) Included: XS-55, PET, LiF (200) Optional: XS-B, XS-C, XS-N, XS-PET-C, XS-CEM, XS-Ge-C, LiF (220), LiF (420), ADP, Ge, TIAP, InSb, XS-400, XS-100		
<b>HighSense Detectors</b>	Proportional flow counter and scintillation counter with MCA technology		
<b>DynaMatch™</b>	Linear intensity range more than 13 million cps		
<b>XRF<sup>2 1)</sup></b>	High resolution and high intensity element mapping with 300 µm and 1.2 mm spot (FWHM)		
<b>Automated Mask Changer</b>	Automatic masks (up to 3): closed (SampleCare;) 34 mm, 28 mm, 23 mm, 18 mm, 8 mm (BeamGuide), 5 mm (BeamGuide)		
<b>TouchControl™ 1)</b>	Integrated touchscreen for easy and intuitive operation		
<b>SampleCare™ 1)</b>	X-ray tube and goniometer protected by contamination shields Sample and spectrometer chamber separated by programmable vacuum seal		
<b>EasyLoad™ 1)</b>	Automatic sample recognition Portable sample trays		
<b>Power requirements</b>	208 – 240 V (1P/3P) 50/60 Hz	208 V, 60 Hz (1P/3P) 230 V, 50/60 Hz (3P)	
<b>Compressed air</b>	Not required		
<b>Detector gas</b>	P5 gas (5% methane, 95% argon) for flow counter P10 gas (10% methane, 90% argon) for flow counter		
<b>External cooling water</b>	No cooling water	Cooling water Water consumption automatically regulated and minimized, short term interruptions are compensated	
<b>Dimensions</b> (height x width x depth)	135 cm x 89 cm x 90 cm; 53.1" x 35" x 35.4"	135 cm x 89 cm x 104 cm; 53.1" x 35" x 41"	
	Touchscreen: Allows additional width of 12 cm (4.7")		
	446 kg	476 kg	
<b>Quality &amp; safety</b>	DIN EN ISO 9001:2008 CE certified Fully radiation protected system; radiation < 1 µSv/h		

1) optional packages

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