

SEA1000A

HAZARDOUS SUBSTANCES MONITOR



SEA1000A ist ein speziell für die Anforderungen der RoHS Direktive optimiertes Röntgenfluoreszenz – Spektrometer. Das **SEA1000A** übertrifft die Anforderungen an die Nachweisgrenzen der Elemente Cadmium, Blei, Quecksilber, Chrom und Brom um ein Vielfaches. Der integrierte Detektor ist elektrisch gekühlt und benötigt daher keinen flüssigen Stickstoff. Die kompakte Bauform des **SEA1000A** erlaubt den produktionsnahen Einsatz. Andererseits bietet das **SEA1000A** eine grossräumige Probenkammer in der auch ein kompletter Laptop analysiert werden kann.

SEA1000A is a dedicated machine that easily, quickly and non-destructively detects cadmium, lead, mercury and other hazardous substances banned by the enforcement of the RoHS directive. Since the detector installed in this device needs no liquid nitrogen, it does not require the hassles of periodic refilling, and operates simply with electric power. This is a big advantage in plants where liquid nitrogen may be short in supply. Its compact design allows setup in a narrow space close to production area. On the other hand the **SEA1000A** offers a large sample chamber which easily houses a laptop computer.



Technische Daten / Technical data:

Hardware	SEA1000A	Software	SEA1000A
Elements measured	Al (13) – U (92)		
Sample type	Solid, liquid, powder	Spectrum measurement	X
Xray source	Small air-cooled tube (Rh)	Auto ID	X
Voltage / current	15, 50kV / 1 mA	Spectrum comparison	X
Detector	PIN Diode Si semiconductor detector	KLM markers	X
Detector size (area)	50 mm ²	Bulk FP	X
Collimator sizes	1 mm and 5 mm round	Bulk Calibration	X
Filter	3 filters + 1 open position	Spectrum subtraction	X
Sample chamber (WxDxH)	370 x 320 x 155 mm	MS-Excel	X
Instrument (WxDxH)	900 x 700 x 460 mm	MS-Word	X
Weight	90 kg	HS judgement	Option
x-y-z-stage	optional	Spectrum matching	Option
Sample changer	12 positions (optional)	Thin film FP	Option
Power	AC 100 – 120V, 200 – 240 V, 10 A	Thin film calibration	Option



- Optionaler Probenwechsler für bis zu 12 Proben
- Sample changer (optional) for up to 12 samples



- X-Y-Tisch 40 mm Verfahrweg
- Externally driven X-Y stage (optional)



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*Technische Änderungen vorbehalten
Specifications subject to change without notice.*