

OXEA[®] - atline series VS with Type Approval as Full Protection Device



New

advantages

- no need for radiation protection officer
- no complicated licensing procedure for the equipment
only a declaration to the responsible authority is needed



Ideal for

- **Coal Fueled Power Station**
 - to check samples of the incoming coal
- **Coal Preparation Plants**
 - to check samples of final and intermediate products
- **Others**

OXEA[®] - atline measure

on bulk material with < 10 mm particle size - **easy**, less preparation work

- the whole elemental composition - in 2 min.
- ash - and sulphur content
- ash fusion and volatiles
- moisture and calorific value

These features are not available in standard XRF Laboratory devices.

OXEA[®] atline series VS Analyzers are amortized in a very short time

Technical Data for OXEA® atline series VS - full protection devices

Sensor Unit / Atline Stainless steel / 3 mm Dimensions (LxWxH) Weight Protection type	16.1 x 19.7 x 9.0 Inches 99,2 lbs	408 x 500 x 228 mm 45 Kg
High voltage supply Dimensions Weght Protection type	29.9 x 29.9 x 8.3 Inches 110,3 lbs IP 66	760 x 760 x 210 mm 50 Kg IP 66
Avg. Particle Size	< 1/4"	< 10 mm
Operating temperature	-22° F to 122° F	-30° F to 50° F
Power supply	100-240V VAC nominal, 16 A	
X-ray tube	Model: IT XR S4-40	40kV 1,2 mA
X-ray detector	Peltier-cooled silicium drift detector Type: IT XR D2-5/155-8.0Be	155 eV FWHM resolution @ 5.9 keV, ⁵⁵ Fe
Moisture meter	Precision microwave detector PMD 2450, or halogen dryer	Transmission measurement (attenuation and phase)
Computer	Intel Celeron® processor, 2000 MHZ or better	160 GB hard drive or better
Monitor	17" flat screen or comparable device	
Software	OXEA® evaluation software Microsoft® Windows XP Pro	Microsoft® Office (Option) LapLink®
Modem Network interface card	56 Kbps standard or network interface card	Requires a free phone line or internet connection for service
Analysis period	Short proximate analysis 1-2 minutes	
Licence	Type approval as full protection device	BfS 08/08 V Röv
Radiation outside the analyzer	Below the detection limit	
Accuracies under regular conditions	Typical RMSD for coal: 5% of measuring range but not < ± 0.4-0.7% ash ± 0.3-0.6% water content ± 0.05-0.15% sulphur ± 250 KJ / Kg calorific value	The achievable accuracy will be determined by measuring your samples
Performance test	In accordance with ISO/DIS 15239	
Service (optional)	Service contract	Check / Calibration
Interfaces PLC System	DeviceNet, Modbus, Dust 3964R, Profibus	Optional

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