

XRF-3100S

Portable Energy Dispersion X-ray Fluorescence Spectrometer



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

Portable XRF Sulfur Analyzer - ATL-3100S is designed for the onsite test of Sulfur in oils. This model fully meets onsite elements test in oils from the raw materials, production controls and finished products inspections.

►► Features:

- The instrument is small and convenient to carry, net weight:4.5Kg.
- Built-in PDA with professional software for easy operation.
- Green indicator is on when the machine is power on. The red indicator is on when the machine is testing.
- With the built-in camera, the sample image can be saved and put into the testing report.

►► Technical Specifications:

Measurement range	From P to U
Testing samples	Solid, liquid and powder
Content range	1ppm-99.99%
Testing method	EDXRF
Detector	SDD detector, the lowest resolution reach to 125eV
Working Temperature	-20°C ~ +50°C
Humidity	≤90%
Detection limit	20ppm for Sulfur in fuel oil
Operation	One key test
Testing time	30-130S
Size	212*258*258mm
Weight	4.5kg

►► Configurations

Detector	SDD detector
X-ray tube	4W micro X-ray tube
Collimator	Φ4mm
Sample Chamber	X-ray from bottom
Radiation Safety system	The high voltage will be off when open the machine cover
Sample placement	reusable membrane sample cup, testing sample directly
Report print	by EXECL file or portable Bluetooth printer (optional)
Carrying case	Multi-function instrument protection case, convenient for carrying

►► Portable Energy Dispersion X-ray Fluorescence Spectrometer

The new XRF 3100S Portable Energy Dispersion X-ray Fluorescence Spectrometer is designed for the onsite test of Sulfur in oils.

This model fully meet onsite elements test in oils from the raw materials, production controls and finished products inspections.

►► The outstanding advantages of the XRF 3100S are in the below

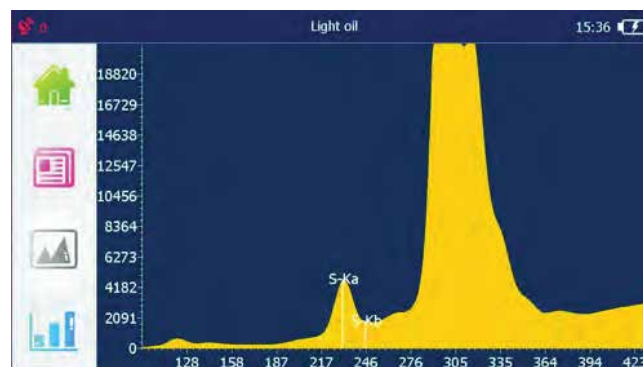
light in weight, small sized but robust, one key test. The operator can perform the onsite analysis and insitu analysis anytime and anywhere he want.

►► Testing Result

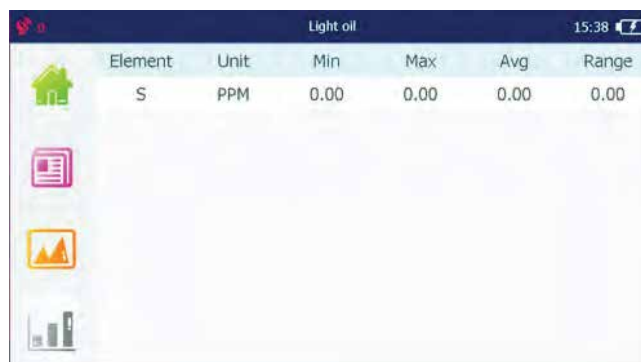
After the testing results, the data interface will show up. The data interface includes the testing results and statistics. See the below.



Result



Spectrum



The screenshot shows the statistics interface for 'Light oil'. It displays a table with the following data:

Element	Unit	Min	Max	Avg	Range
S	PPM	0.00	0.00	0.00	0.00

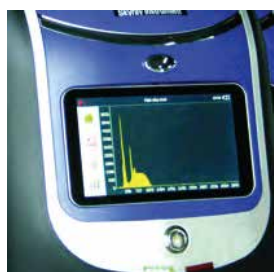
Statistics

►► Instrument features



Small sized and easy to carry

Net weight of the XRF 3100S is 4.5Kg. The instrument has a handle and it is convenient to carry.



PDA

Built-in PDA with the professional software for easy operation of the instrument



Power indicator

The indicator is green when the machine is on. The indicator is red when the machine is working.



With the built-in camera

The XRF 3100S can save the sample image and put it into the testing report.

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

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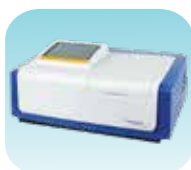
Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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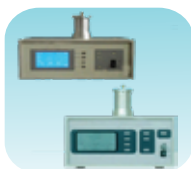
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Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



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2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

Reach us @



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