

Petro Scientific LLC



Cube 100S

Portable Energy Dispersion X-ray Fluorescence Spectrometer

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Cube 100S series

Portable Energy Dispersion X-ray Fluorescence Spectrometer

The new Cube100S Portable Energy Dispersion X-ray Fluorescence Spectrometer is designed for the onsite analysis of Sulfur in oils.

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

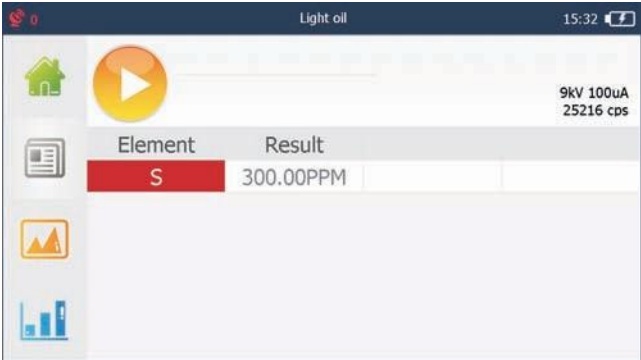
The outstanding advantages of the Cube 100S :

Light, small, one key test. The operator can perform the onsite analysis at anytime and anywhere.

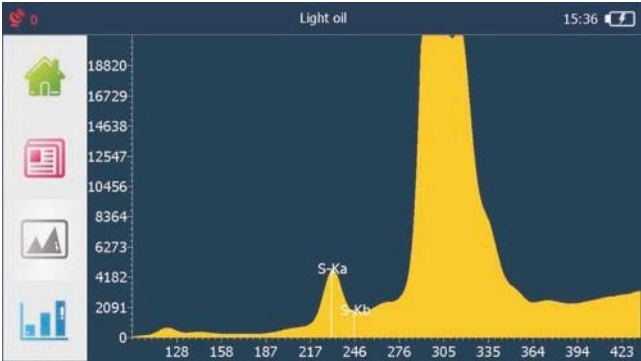
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Testing Result

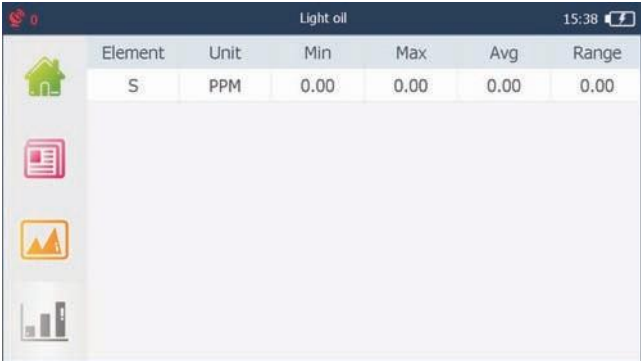
After testing, the data interface will show up.
The data interface includes the testing results and statistics.



result



spectrum



statistics

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Instrument features



Small size and easy to carry

Net weight:4.5Kg. The instrument is convenient to carry.



PDA

Built-in PDA with the professional software for easy operation.



Power indicator

Green indicator is on when the machine is power on.
Red in the 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.

Fully meet MARPOL international Convention on shipping Fuel Oil Regulation ISO8217-2010 for S analyze of ISO 8754

³**Cube 100S**

Portable Energy Dispersion X-ray Fluorescence Spectrometer

Technical specification

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	10ppm 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 lid
Sample placement	reusable membrane sample cup, testing sample directly
Report print	by EXCEL file or portable Bluetooth printer (optional)
Carrying case	Multi-function instrument protection case, convenient for carrying

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