

DW-Cube-100S

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 meets onsite elements test in oils for the raw materials, production control and finished products inspections.

Features

1. Small size and easy to carry

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

The operator can perform the onsite analysis at anytime and anywhere

2. PDA

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

3. Power indicator

Green indicator is on when the machine is power on.

Red in the indicator is on when the machine is testing.

4. With the built-in camera

The sample image can be saved and put into the testing report.



Specifications

Measurement range	From P to U
Testing samples	Solid, liquid and powder
Content range	30ppm—99.99%
Testing method	EDXRF
Detector	SDD detector, the lowest resolution reach to 125eV
Working Temperature	-20℃ ~ +50℃
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

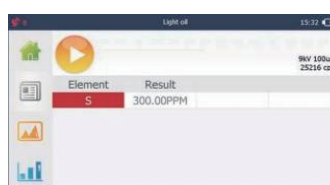
Configurations

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 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

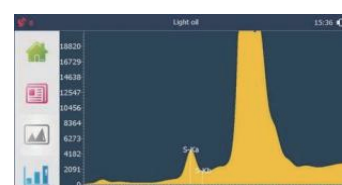
Testing Result

After testing, the data interface will show up.

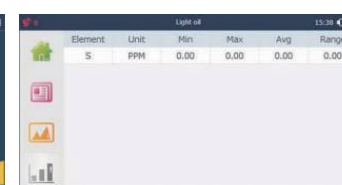
The data interface includes the testing results and statistics.



Result



Spectrum



Statistic

Fully meet IMO2020 shipping Fuel S max 0.5% standard, which going to carry on 1st JAN, 2020 Year.

Fully meet MARPOL international Convention on shipping Fuel Oil Regulation ISO8217-2010 for S analyzer.

Specifications

Temperature range	*RT-400°C
Temperature resolution	0.01°C
Detection mode	*Fully automatic detection (compatible with manual detection)
Heating rate	0.1- 20 °C/Min
User Management	200 individual
Display method	10.4 inch color display
Atlas	The map can be arbitrarily zoomed
processing power	2 pieces/batch (can be done at the same time 2 Each type)
Experimental program	100 set
Data interface	USBRS232 Network port
Data storage	64G
User Management	With/four levels of authority management
Export file verification advanced protection	MD 5 protection
Experimental method	Permission lock function
Printing method	WIFI PRINTING Serial port printing
Export in multiple file formats	PDF and Excel
Conform to GLP/GMP specification	yes
Power supply	220V 50HZ Power: 120W
Standards compliant	conform to ASTM (D3204, D3461, D3104, D3954, D6090), DIN (51801, 51920), GB/T(2294-2019, 3498, 8728-1988)ISO (2176-1972, 4625-2) and "2020 Pharmacopoeia etc. standard.