

DW-EDX3300S X-ray Fluorescence Sulfur Meter

Introduction

DW-EDX3300S X-ray Fluorescence Sulfur Meter using high-throughput full-focus hyperboloid curved crystal, the instrument monochromates target characteristic X-rays from X-ray tube and focuses them on sample to selectively excite light elements within. This technology reduces background interference, improves peak to back ratio, and has lower detection limit.

Features

1. Test Range

With a unique optical path, it has a minimum detection limit of 0.5mg/kg.

2. Accuracy

For low content oil samples, i.e., 10mg/kg fuel, the repeatability RSD is less than 5%.

3. Portability

Small, light and portable. Meeting customers' on-site analysis needs.

4. Rapid Analysis

Sample is placed in a disposable cup, with analysis time 60-300s.

5. Convenience

No consumables, no vacuum pumping, and no sample pretreatment.

Application

Petrochemical industry, crude oil extraction and refining, product oil, low refinery production line monitoring.



Parameters

Elements to be tested	S, Cl
Range of analysis	0.5ppm-20%
Detection limit	0.5ppm
Integrated computer	Industrial HD touchscreen
Test time	60-300S
Test objects	Solid, liquid, powder
Working voltage	AC220V/DC24V
Working temperature	0-40°C
Repeatability	Sn-1≤0.5ppm(10ppm)
Dimension	335mm*255mm*268mm
Weight	Approx.15kg

Test result and spectrum

Gasoline sample

Time/Content	5.0ppm	10.0ppm	150.0ppm
1	5.2	10.4	152.8
2	5.1	10.1	152.1
3	4.8	10.3	150.6
4	4.9	9.7	149.4
5	4.8	9.9	148.6
6	4.7	10.3	149.7
7	5.0	10.1	152.4
8	4.9	9.8	151.9
9	4.8	9.7	152.3
10	5.2	9.9	149.7
11	5.1	10.3	148.5
Avg value	4.95	10.05	150.73
SD	0.18	0.26	1.62
RSD(%)	3.54	2.57	1.07

