



SPECTROLAB



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Portable Model SS3000 MWDXRF Analyzer

Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometer

LOD 0.15ppm

Sulfur, Chlorine, Chloride in oil, gasoline & diesel and other liquids

Ultra high sensitivity LOD **0.2ppm**



The world's first truly portable X-ray fluorescence spectrometer
Employing mirror focussed Monochromatic X-rays
X50 times more sensitive than conventional XRD

Features

Light weight

Low cost

No sample matrix effects

100 times faster than atomic absorption

No sample preparation

Rugged

Battery operated

Analysis of all elements present in just 1 minute

Use from the back of a car

Specifications Sensitivity and LOD

LOD

Cl: LLD : 0.3ppm

S: LLD : 0.5ppm

Range

1.0 ppm-5% (sulfur as an example

Measure Times

30s-200s (user selectable)

Sulfur as an example)

Standards

S : ASTM D7039,EN ISO20884,JISK2541-7, SH/T0842-2010

Cl : ASTM D7536,ISO 15597

Dimensions

350 mm (W)×230 mm (D)×370 mm (H)

Power

80W Battery

Output interface

USB

Applications

Oil Production QA

Marine oil analysis

Bunker fuel analysis

Oil analysis on site

Aircraft engine maintenance

On board a ship

Environmental

Incoming material analysis

Refinery QA

Waste product analysis

Analysis of additives

Contaminants

Military

Oil and petrol distribution

Waste disposal