



# better analysis counts



## Sindie +Pb

Series: 402277-01MXR  
USD Price: Contact XOS

### Sulfur Plus Lead Analysis in Petroleum Products

From ultra low sulfur diesel and gasoline to heavy fuel oil and crude, Sindie +Pb delivers unprecedented precision and accuracy for sulfur detection with the added option for measuring lead. As aviation industry requirements become more stringent, lead detection is critical in such products as aviation gasoline and jet fuel. Sindie +Pb is the ideal solution for the energy industry where detection, performance, and reliability are essential.

This model utilizes standard XRF sample cups.

#### Easy to use

User-friendly with touch screen interface. Just plug-it-in and measure, results with one touch: power is only utility.

#### Extremely low maintenance

No conversion gasses, heating elements, quartz tubes or columns.

#### Total sulfur and lead analysis

From ultra low sulfur diesel and gasoline to heavy fuel oil and crudes, the analyzer delivers unprecedented precision and accuracy.

#### For use in multiple application areas

Refinery labs, pipeline terminals, additive plants, testing vans and inspection laboratories

#### Hassle-free sample prep

Utilizes standard XRF sample cups.

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### Specifications

Calibration curves:	8 calibration curves. Automatic and Manual Calibration functionality.
Catalysts:	No
Communication Capabilities:	Printer, Ethernet: LIMS Connectivity (optional)
Concentration:	In ppm: 2, 8, 15, 100, 500

Consumable/Utility Gas:	Vacuum
Dimensions: Depth:	19.7 in / 50.0 cm
Dimensions: Height:	13.4 in / 34.0 cm
Dimensions: Width:	14.6 in / 37.0 cm
Element:	Sulfur / 0.7 ppm at 300 s
	Lead / 0.002 g/L at 300 s
Measurement Time:	User selectable 30-900 s, 300 s typical
Method Name:	ASTM D7039,
	ISO 20884
Options:	LIMS Connectivity
Range:	Sulfur / 0.7 ppm to 5000 ppm
	Lead / 0.002 g/L to 10.000 g/L
Repeatability:	Sulfur ppm - r
	2 - 0.4
	8 - 0.7
	15 - 0.9
	100 - 3
	500 - 6
	Lead g/L - r
	0.03 - 0.0027
	0.1 - 0.0049
	0.3 - 0.0084
	0.5 - 0.0109
	1 - 0.0154
Reproducibility:	Sulfur ppm - R
	2 - 1.0
	8 - 1.2
	15 - 1.7
	100 - 6
	500 - 12
	Lead g/L - R
	0.03 - 0.0053
	0.1 - 0.0097
	0.3 - 0.0168

0.5 - 0.0217

1 - 0.0308

Sample Cup Type:	Standard XRF Cup
Sample Matrix:	Hydrocarbon
Specific Technology:	MWDXRF
Type:	Benchtop
Weight:	70 lbs / 32 kg
XRF Film Type:	Mylar

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## **What's in the box?**

Quick-Start Guide, Operations Manual, radiation survey, power cord, spare fan filter, printer, printer cable, printer with ink, 1 roll printer paper, system fuse, 100 sample cups, 100 mylar sample films, sample stand and 1 set calibration standards-S in Mineral Oil (6 x 10 mL).