



better analysis counts



Signal

Series: 401560-02M
USD Price: Contact XOS

Silicon Analysis in Petroleum and Bio Fuels

Signal complies with ASTM D7757 and delivers quantitative analysis of silicon (Si) from gasoline to ethanol, and toluene. Silicon contamination continues to impact fuel quality, resulting in costly engine failures and catalyst fouling. Powered by MWDXRF, Signal provides exceptional Si analysis and is an ideal solution for demanding petroleum and industrial environments.

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 silicon analysis

Total silicon analysis in hydrocarbons and bio fuels.

For use in multiple application areas

For use in refinery labs, pipeline terminals, additive plants, and inspection laboratories.

Hassle-free sample prep

Utilizes standard XRF sample cups.

Specifications

Calibration curves:	8 calibration curves. Automatic and Manual Calibration functionality
Catalysts:	No
Communication Capabilities:	Printer, Ethernet: LIMS Connectivity (optional)
Concentration:	In ppm: 2, 5, 8, 15, 100, 500
Consumable/Utility Gas:	Helium
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: Silicon / 0.65 ppm at 600 s
Measurement Time: User selectable 30-900 s, 600 s typical
Method Name: ASTM D7757
Options: LIMS Connectivity
Range: 0.65 ppm - 3000 ppm
Repeatability: ppm - r

2 - 0.4

5 - 0.5

8 - 0.6

15 - 0.8

100 - 2

500 - 5

Reproducibility: ppm - R

2 - 0.7

5 - 0.8

8 - 1.0

15 - 1.4

100 - 4

500 - 10

Sample Cup Type: Standard XRF Cup

Sample Matrix: Hydrocarbon

Specific Technology: MWDXRF

Type: Benchtop

Weight: 70 lbs / 32 kg

XRF Film Type: Prolene

What's in the box?

Quick-Start Guide, Operations Manual, radiation survey, 6' drain tubing, spare fan filter, printer, printer cable, printer ink, 1 roll printer paper, spare fuse, window, window tool, 100 sample cups, 100 prolene films, sample stand, 1 set calibration standards (6 x 10 mL).