

Signal

Silicon Detection System

ASTM D7757

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.

Features

- Easy to use
- Extremely low maintenance
- Total silicon analysis
- For use in multiple application areas
- Hassle-free sample prep



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	Vacuum
Element	Silicon / 0.65 ppm at 600 s
Measurement Time	User selectable 30-900 s, 600 s typical
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
Dimensions (DxHxW)	50 x 34 x 37 cm

