

Clora MWDXRF

Total Chlorine Analyzer

ASTM D7536, ASTM D4929

Clora benchtops are compliant with ASTM D7536 and D4929 standards, and deliver a limit of detection of 0.13 ppm and a dynamic range up to 3000 ppm. Clora is powered by MWDXRF, the same technology found in our signature sulfur analyzer, Sindie. This direct measurement technique does not require gasses or high temperature processes equating to easy operation and minimum maintenance requirements. Clora offers many features such as extended range with and without catalyst, autosampler, and Accu-flow. Accu-flow technology eliminates particle settling and delivers results that better reflect crude streams as they exist in the refinery. Over a typical measurement cycle, the heavier particles can settle to the bottom of the sample cup and cause higher than normal results.

Features

- LOD: 0.13 mg/kg (ppm) at 300s, 0.09 mg/kg (ppm) at 600s for hydrocarbons, 0.3 mg/kg (ppm) at 300s, 0.21 mg/kg (ppm) at 600s for aqueous samples
- Dynamic range: 0.13 mg/kg (ppm) to 4 wt%
- Manual sulfur correction to correct for high sulfur samples
- Low and high range calibrations available:
 - Low range: 0.13 mg/kg (ppm) – 3000 mg/kg (ppm)
 - High range: 0.3 wt% – 4 wt%

Specifications

Calibration curves	8 calibration curves. Automatic and manual calibration functionality
Catalysts	No
Communication Capabilities	Printer, USB & Ethernet: LIMS Connectivity (optional)
Consumable/Utility Gas	none
Element	Chlorine Standard: 0.13 ppm to 3000 ppm, Extended Range (XR): 0.13 ppm to 4 wt%
Measurement Time	User selectable 30-900s
Sample Cup Type	Standard XRF Sample Cups
Weight	8 lbs / 12.7 kg

