

SEDIMENT IN CRUDE OILS AND FUEL OILS BY THE EXTRACTION METHOD

Test Method

Determines sediment content of crude oil and fuel oils by extraction with toluene.

Sediment Extraction Apparatus

- Conforms to ASTM D473 and related specifications

A test portion of the sample is placed in a refractory thimble. Toluene is gently boiled and its vapors condensed and allowed to drip into the sample funnel. The toluene washes out all of the crude oil or fuel oil leaving the insoluble residue only in the thimble. The mass of the residue is calculated as a percentage and is referred to as the sediment by extraction. Includes condenser thimble basket, water cup and extraction thimble.

Ordering Information

Catalog No.		Order Qty
K48300	Sediment Extraction Apparatus	1
Accessories		
K42000	Powerrol Heater, 115V 50/60Hz	1
K42090	Powerrol Heater, 220-240V 50/60Hz	
K48400	Condenser	
K48500	Thimble Basket	
K48600	Water Cup	
K48700	Extraction Thimble	



K48300 Sediment Extraction Apparatus

Specifications

Conforms to the specifications of:
ASTM D473; IP 53; ISO 3735; DIN 51789; FTM 791-3002; NF M 07-010

SALTS IN CRUDE ANALYZER

Test Method

Salt content is determined by measuring the conductivity of a solution of crude oil in a polar solvent when subjected to an alternating electrical current and is obtained by comparison of the resulting conductance to a calibration curve of known salt mixtures.

Electrometric Salt Determinator

- Conforms to ASTM D3230 test specifications
- Measures salt content, conductance, and temperature of crude oil samples, and pH measurements of aqueous samples
- Portable for field or laboratory testing with up to 8 hours of continuous operation from internal Ni-Cd rechargeable batteries (extended battery-powered operation option available)
- 18-bit analog-to-digital converter for high precision
- 24Kb RAM dedicated for data storage (about 500 test results)
- Data can be easily uploaded in a comma delimited format to a PC with Windows® 95/98/NT-based software via an RS232 serial data port

Determines the salt content, conductance, and temperature of crude oil samples according to ASTM D3230 specifications. Utilizes the latest low-voltage, synchronous detection technology for conductivity measurements and a high-accuracy thermistor array to measure sample temperature. Automatically calculates salt concentration directly from acquired temperature and conductivity values. Measures conductivity over four ranges 0-2, 2-20, 20-200, and 200-1500 μ S with automatic range selection. Self-calibration feature allows operator to adjust for any drift without re-entering standard temperature curves. Complete data storage of test results which is limited only by the hard drive capacity of external PC. Easy-to-read alpha-numeric display shows any four of the following parameters at one time as chosen by the operator: salts, conductance, conductance @ 25°C, pH, pH millivolts, temperature (°C or °F), internal and external battery voltages, date, time, logging ID, and ID increment value.



K23000 Electrometric Salt Determinator

Dimensions lwxh,in.(cm)
12x20x12 (30½x51x30½)
Net Weight: 6 lbs (2¾kg)

Shipping Information
Shipping Weight: 9 lbs (4kg)
Dimensions: 2.3 Cu. ft.

Ordering Information

Catalog No.	
K23000	Electrometric Salt Determinator, 115V 50/60Hz
K23090	Electrometric Salt Determinator, 230V 50/60Hz