



AUTOMATIC CRUDE OIL SALT CONTENT ANALYZER LCOS-A10

Automatic Crude Oil Salt Content Analyzer LCOS-A10 is a computer-controlled automatic crude oil salt content analyzer designed as per ASTM D3230 specifications, comprised with electric heating tube, offers automatic determination of titration end point through potentiometric titration method. Equipped with standard titration extraction device, this analyzer offers memory pre-titration, preset end-point titration, blank titration, manual titration and other modes, in order to meet different experimental requirements. Integrated design with mouse and keyboard operation, this automatic crude oil salt content analyzer instantly displays potential curve (E-V), first derivative curve (E/V), electrode potential (E), titration volume (V), titration results, etc. Incorporated with PID temperature control, digital display and adjustable voltage heating, it has automatic cleaning, automatic replenishment and automatic liquid addition of fixed value, ensures easy and flexible operation with accuracy.

Features :

- ❑ Computer-controlled automatic crude oil salt content analyzer designed as per ASTM D3230 specifications
- ❑ Electric heating tube with adjustable voltage heating
- ❑ Automatic determination of titration end point through potentiometric titration method
- ❑ Equipped with standard titration extraction device
- ❑ Offers memory pre-titration, preset end-point titration, blank titration, manual titration
- ❑ Customized modes, in order to meet different experimental requirements
- ❑ Integrated design with mouse and keyboard operation
- ❑ Instantly displays potential curve (E-V), first derivative curve (E/V), electrode potential (E), titration volume (V), titration results, etc.
- ❑ PID temperature control with digital display, easy to operate
- ❑ Automatic cleaning, automatic replenishment and automatic liquid addition of fixed value
- ❑ Highly-efficient, accurate and easy to use with flexible operation

Application :

Automatic Crude Oil Salt Content Analyzer is used for determination of chloride (salt) content in crude oils across refineries, pipelines, terminals, laboratories, inspection companies, oil platforms etc.

Specifications

Model	LCOS-A10
Measuring range	Temperature: -5.0°C to 105.0°C pH: 0.00 to 14.00 mV: -1800 to 1800
Resolution	Temperature: 0.1°C pH: 0.01 mV: 0.1
Basic error	Temperature: $\pm 0.3^{\circ}\text{C} \pm 1$ word pH: $\pm 0.01 \pm 1$ word mV: $\pm 0.03\%$ FS
Control temperature	60°C $\pm 1^{\circ}\text{C}$
Burette capacity tolerance	10 ml burette: ± 0.025 ml 20 ml burette: ± 0.035 ml
Burette resolution	10 ml burette: 1/10000 20 ml burette: 2/10000
Burette infusion speed	50 \pm 10 s (when burette is full)
Titration analysis repeatability	0.2%
Titration control sensitivity	± 2 mV
Stability	(± 0.3 mV ± 1 word)/3 h
Temperature controller	PID
Display	Digital
Heating tube	Electric
Power supply	AC 220 \pm 22 V, 50 \pm 1 Hz
Host apparatus dimension (W×D×H)	460×480×580 mm
Host apparatus weight	36 kg
Titration device dimension (W×D×H)	460×700×1140 mm
Titration device weight	55 kg