

# Salts in Crude Analyzer & Isolated Conductivity, pH and Temperature Measurement

## 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 conductivity to a calibration curve of known salt mixtures.

## electrometric salt determinator

- Conforms to ASTM D3230 test specifications
- Measures salt content, conductivity, and temperature of crude oil samples, and pH measurements of aqueous samples
- Measures salt concentration in the range of 0 to 150 PTB (lb/1000 bbl)
- Portable for field or laboratory testing with a LiPo battery
  - 4 hour battery life with CE Approved option
  - 8 hour battery life with UN Approved option
- Data storage up to 12 test results

Determines the salt content, conductivity, and temperature of crude oil samples, according to ASTM D3230 specifications. Utilizes 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. Self-calibration feature allows operator to adjust for any drift without re-entering standard temperature curves. Easy-to-read 2.6" TFT-LCD display shows up to four of the following parameters at one time as chosen by the operator: salts, conductivity, conductivity @25°C, pH, pH millivolts, temperature (°C or °F), battery level, date, time, and indicator.

## specifications

### Shipping Information

Shipping Weight: 6 lbs (2.75 kg)

Dimensions: 1.5 cu. ft.

**Dimensions** lwxh (cm): 9x4.25x2.5 (23x10.8x6.5)

Weight: 2 lbs (1 kg)

## included accessories

100mL Beaker

Cable, 5-Pin, Male, 1 Meter

Carrying Case

Electrode Cap Assembly

Dual Power Adapter and USB Cable Assembly

Calibration Jack

Integrated Software



K23065-UN Salt in Crude Apparatus with K23060-8 Stand

## ordering information

catalog no.	description
K23065-UN	Salt in Crude Analyzer with UN Approved Battery, 100-240V
K23065-CE	Salt in Crude Analyzer with CE Approved Battery, 100-240V

## spare parts & additional accessories

catalog no.	description
332-002-017	100mL Borosilicate Beaker
465-005-004	Cable, 5-Pin, Male, 1 Meter
K23000-CASE	Salt in Crude Case
K23065-1	Electrode Cap Assembly
K23060-4	Dual Power Adapter and USB Cable Assembly 115/230V
K23060-6	Calibration Jacks
K23060-8	Benchtop Stand
K23050-9	ASTM D3230 Mixed Salts Solution, 100ml
K23050-10	ASTM D3230 Mixed Salts Solution, 500ml