

# 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
- 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 Salt in Crude Apparatus  
with K23060-8 Stand

## ordering information

| catalog no. | description                      |
|-------------|----------------------------------|
| K23065      | Salt in Crude Analyzer, 100-240V |

## spare parts & additional accessories

| part number | 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             |