

## Salts in Crude Oil by Electrometric Method - Salinometer SCO 1

ASTM D 3230, IP 265, JIS K2601

**Product group(s):** Fuel

**User group(s):** Crude Oil, Fuel Oil, Oil

**Scope:** This test method covers the determination of the approximate chloride (salts) concentration in crude oil. The range of concentration covered is 0 to 500 mg/kg or 0 to 150 lbs/1000 bbl as chloride concentration/volume of crude oil.

Although the SCO 1 permits a setting of the test voltage up to 230 VAC, it protects the operator from harm caused by unintended touching of the electrodes.

As an operator's protection the two keys, which have to be pressed at the same time to switch on the instrument, are located in such way that they can be actuated by two-hand use only.

Additionally, the instrument switches off automatically if a current of about 20 mA occurs, i.e. everything was done to make this instrument safe!



### Salinometer Test Equipment

More details are mentioned in the "Order Number" section

### Main Unit

<b>13-0497</b>	<b>Salinometer SCO 1</b> ASTM D 3230, IP 265, JIS K2601
	laboratory bench model for determination of salts in crude oils
	<u>Consisting of:</u> test cell with electrodes and measurement lines
	<u>Voltage Supply:</u> with digital dual display for permanent observation of voltage and current, as well as a safety circuit breaker
	Power supply: 230 V, 50/60 Hz

### Options & Accessories

<b>13-1483</b>	<b>Mixed Salt Solution, 100 ml</b> <u>Consisting of:</u> 10 µg/ml CaCl <sub>2</sub> 20 µg/ml MgCl <sub>2</sub> 70 µg/ml NaCl in alcoholic solution
<b>13-1484</b>	<b>Mixed Salt Solution, 500 ml</b> <u>Consisting of:</u> 10 µg/ml CaCl <sub>2</sub> , 20 µg/ml MgCl <sub>2</sub> , 70 µg/ml NaCl in alcoholic solution

### Spare Parts

<b>13-0022</b>	<b>Beaker, Berzelius, 100 ml, glass, Ø 50 x 78 mm, pack of 10</b>
<b>13-0499</b>	<b>Lid with electrodes</b>
<b>25-0012</b>	<b>Measuring Cable, Red</b>
<b>25-0013</b>	<b>Measuring Cable, Blue</b>

### Order Guideline

Minimum equipment: 1 x 13-0497  
Spares (approx. 1 year): 1 x 13-0022  
Additional requirements: