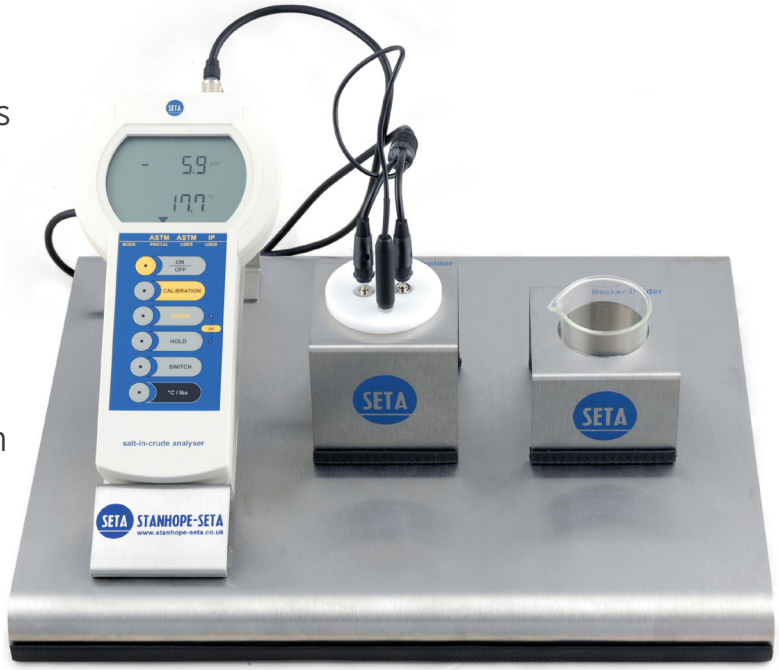
SETA STANHOPE-SETA

Salt In Crude Analyser 99700-6

Salt Content of Crude Oils

ASTM D3230; IP 265

- Salt concentration values displayed automatically
- No need for mixing of salt standards
- Pre-calibrated for immediate use as per ASTM D3230
- User calibration modes allow verification against user standards
- Typical test time of less than 30 seconds
- Moisture proof membrane touch panel with large keys
- Fully portable, all items contained in aluminium carry case
- Supplied with beaker and sensor support stands
- Interchangeable plug-in sensor
- Battery or mains power supply



• Crude Oil •

P.O. Box 1128
Granger, IN 46530

Lazar Scientific, Inc.

574-271-7020
sales@lazarsci.com
www.lazarsci.com

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Principles of Operation

The **Seta Salt-in-Crude Analyser** is a robust and portable instrument for determining the chloride (salt) content of crude oils in full conformity to ASTM D3230, IP 265 and equivalent test methods.

The **Analyser** is pre-calibrated and automatically displays salt concentration measurements in g/m3 or lbs/1000bbl (pounds per thousand barrels), this avoids the need to mix salt calibration standards and makes testing a simple and fast procedure.

3 test modes:

ASTM/PRECAL - pre-calibrated for use in conformity to ASTM D3230

ASTM USER- allows user calibration of ASTM values (ie: display values can be verified and/or recalibrated by the user against salt solutions of known conductivity)

IP USER - allows user calibration according to IP 265 values

Measurements can be displayed or exported to a PC or to LIMS network. The instrument is suitable for bench top or hand-held operation and operates from battery or mains voltage.

Application

The presence of salts (chlorides) in crude oil provides a serious problem to drilling, pumping and refining processes, it is also of concern during transport. Excessive salt levels may cause corrosion problems and clogging of pipelines, refining and catalytic processes.

- Refineries
- Pipelines
- Terminals
- Laboratories
- Inspection Companies
- Oil platforms

Safety & Maintenance

The **Salt-in-Crude Analyser** is housed in a robust ABS case with moisture proof membrane switch panel, service is limited to changing the battery. An interchangeable spare sensor is available.

SaltCheck Verification Kit

The kit is designed to quickly verify the results displayed on the Analyser. It contains a set of 3 'SaltCheck' verification modules supplied in a convenient storage case. The modules are calibrated to show equivalent salt values of:

- 0 g/m^3
- 30 g/m^3
- 190 g/m^3

Instrument verification is easy - simply plug the sensor assembly into each module to verify display readings.

Saltcheck is supplied with a certificate of verification.

Ordering Information	
99700-6:	Salt in Crude Analyser
99703-0:	SaltCheck' verification tool
99700-403:	Power supply
99700-404:	Stands (pair for beaker and sensor assembly)
99700-602:	Beaker (pack 10)
99700-603:	Temperature probe and cable
99700-604:	Replacement probe and sensor
99701-0:	Instrument bench stand

Specifications:	
Conductivity Range:	0.0 to 151 lbs/1000bbl (Res: 0.1 lbs/1000bbl) 0.0 to 430.0 g/m3 (Res: 0.1 g/m3)
Temperature Range:	-20 to 150°C (res: 0.1°C)
Power Requirement:	9 volt dc battery or mains adaptor (110/120/220/240V, 50/60Hz adaptor supplied)
Size (HxWxD) / Weight:	20 x 7 x 3.5cm / 1.6kg