

# NSB TECH

## SALTS IN CRUDE OIL CONTENT AUTOMATIC ANALYSER



### STANDARDS

ASTM D 3230, IP 265 and related methods.

### SCOPE

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

This test method measures conductivity in the crude oil due to the presence of common chlorides, such as sodium, calcium, and magnesium. Other conductive materials may also be present in the crude oil.

This device can be also used for the determination of salts content in bitumen.

« FULLY AUTOMATIC AND  
FULLY COMPLIANT FOR  
COMMERCIAL AND CUSTOMS  
APPLICATIONS »



## TECHNICAL FEATURES

- Fully automatic model
- Plug and play
- Less than 30 sec for measurement
- Digital auto ranging meter to read the voltage and current
- Auto voltage adjustment between 0 and 250 VAC
- Accuracy for the calibration ( $\pm 0.5\%$ )
- Salt concentration values displayed automatically in PTB
- g/m3 or mg/kg
- Auto-selection of ASTM
- High current resolution (0.01 mA)



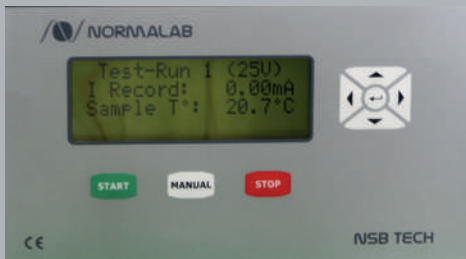
\*Photos are non-contractual - they may differ from actual products.

## APPLICATION

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

## SOFTWARE

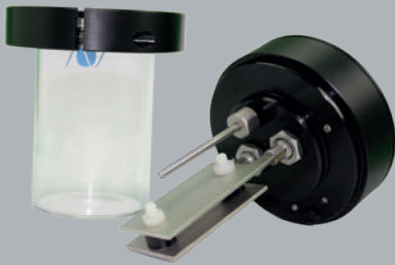
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- Pre set calibration at 3 different temperatures
- Direct display of salt concentration
- Quick result
- Automatic table selection according to sample temperature
- Automatic adjustment of measuring range
- Interchangeable plug-in sensor
- User calibration modes allow verification against user standards

## SAFETY

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- High level of safety
- Safety for unintended touching of electrodes
- Over current safety
- Hall effect sensor to cut the power with the lid opening
- Alarm during measurements
- Light indicator

## DISPLAY

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- Data export through USB
- Data transfer to printer
- Memory : 20 tables
- Possibility to connect a keyboard for an easy data entering

# SCOPE OF DELIVERY

942800

NSB Tech is delivered ready to use with:

- 1 Cover with electrode (P/N 942801)
- 3 Beakers with rings (P/N 942802)

*Accessories and options according to your application must be ordered separately.*



## Site requirements:

- Power supply: AC 115V or 230V, 50/60Hz - 1A
- Dimensions: (W) 250 x (D) 380 x (H) 290 mm
- Weight: 7kg

# SUMMARY

Temperature measurement	0°C to 50°C	Voltage adjustment	Automatic
Temperature unit	°C or °F	Test voltage	Up to 250 V
Temperature resolution	0.1°C	Results resolution	1 V / 0.01 mA
Language	English or French	Power supply	100 to 240 V

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