

# Sodium Analyzer



## Easy Na

Simple

Accurate

Specific

## Specific Sodium Determination

Simple and Accurate

METTLER TOLEDO

# Sodium Analyzer

## for Simple & Accurate Analysis

**The new Sodium Analyzer determines the sodium content in food products simply and quickly. Reduce sample preparation time and effort by using safe and cheap chemicals while specifically and exclusively measuring sodium ions.**

### Health risks related to excess salt



The salt content of food products influences the taste, but can also adversely affect health. There is a clear link between sodium intake and high blood pressure. The World Health Organization (WHO) has published data showing that blood pressure is the number one health-risk factor in Europe and food producers are forced to declare or even reduce the standardly used salt (sodium chloride) content in foods.

### Simple and accurate analysis



This instrument has been specifically designed to simplify the determination of sodium in food products using the standard addition technique. Simply add a sample and ionic strength adjustment (ISA) solution and start the measurement. That's it! No system calibration is necessary. Specific sodium analysis has never been so quick and easy.



### Reduce investment and operation costs



Not only does the Sodium Analyzer reduce initial investment costs, it also reduces operation costs. Replace the silver nitrate ( $\text{AgNO}_3$ ) titrant normally used for chloride determination with the cheaper and safer sodium standards and reagents. Save operator time and increase productivity with fast sample measurements.



► [www.mt.com/SodiumAnalyzer](http://www.mt.com/SodiumAnalyzer)



# Quick and Easy Sodium Determination

This Sodium Analyzer has been specifically designed to simplify the determination of sodium in food products using the standard addition technique. There is no need for sensor calibration and only a very quick and simple sample preparation is required. Save operator time and increase productivity with fast sample measurements.

## Easy to use



Operation could not be easier thanks to the smartphone-style Apps design used to control all major functions making it simple and intuitive to use.

## LongClick™



No need to navigate everything for routine analyses. One LongClick™ is all that's necessary to start the last analysis run.

## No calibration



Due to the standard addition technique procedure, no calibration is necessary. Just carry out the automated Sensor conditioning and immediately start the analysis.

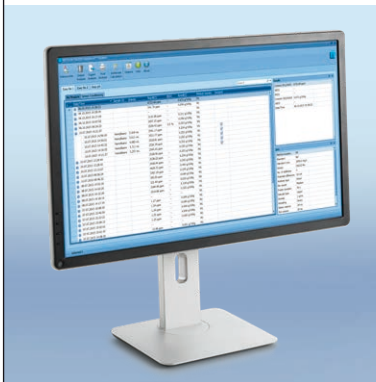


### Reduce operator time



Save on operator time with reduced sample preparation time and effort. Eliminate calibration tasks and increase productivity through fast and simple sample measurements.

### Simple result data management



Connect your Sodium Analyzer to EasyDirect™ Titration Software and improve data management. Be secure in the knowledge that all results are stored, collated and easily accessible.

# Ready for Your Sample

## Specific and Accurate

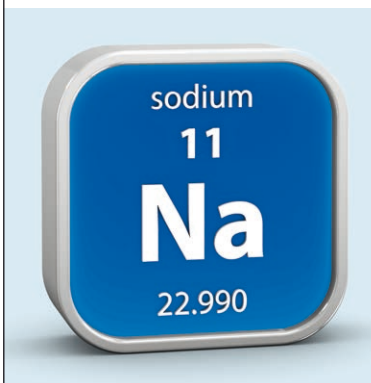
**This dedicated instrument is fast and accurate without the need for large instrumentation, complex infrastructure or the high levels of analytical experience and knowledge that are essential for alternative analytical techniques. This Sodium Analyzer leads to a quick return on your investment. Minimize investment and chemical operation costs with the Sodium Analyzer.**

### Dedicated Na<sup>+</sup> Algorithm



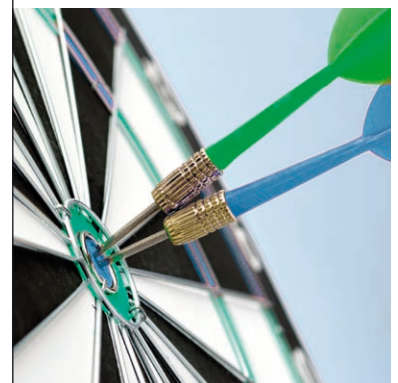
The integrated, proven algorithm specifically designed for Na<sup>+</sup> determination delivers highly accurate and repeatable results. It has been optimized in a joint collaboration between METTLER TOLEDO and the Zurich University of Applied Science.

### Specific & direct measurements



The Sodium Analyzer directly determines the harmful sodium (Na<sup>+</sup>) of sodium chloride (NaCl) in food products rather than the chloride (Cl<sup>-</sup>), as is measured by argentometric titration. Thanks to this, you can exclusively measure the Na<sup>+</sup> content within each sample and eliminate inaccuracies caused by the presence of other chloride compounds.

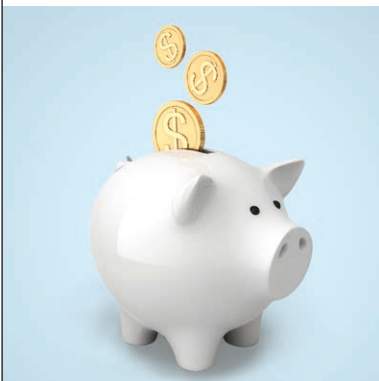
### Accurate measurements



The evaluation logarithm developed for the Sodium Analyzer's standard addition technique also makes it possible to achieve highly accurate results that are comparable to well-known, but much more expensive alternative analytical techniques for sodium determination such as Ion Chromatography (IC) or Atomic Absorption (AAS).



### Reduced costs



The Sodium Analyzer provides value for money by reducing your initial expenditure. Additionally, operational costs are lower because the expensive silver nitrate ( $\text{AgNO}_3$ ) titrant normally used for chloride determination is replaced with much cheaper and safer sodium standards and reagents.



# More about the Sodium Analyzer...



## Application Know-how

Benefits from METTLER TOLEDO application know-how. Find the most important information in the practical application brochure for sodium determination in food and beverage products with additional tips and hints.

(30096989 English)



## Service and Support

METTLER TOLEDO is always ready with support, either online or on-site, with a comprehensive range of services. Make the most of our modular selection of standard service agreements, guaranteeing optimal performance and ensuring that your Sodium Analyzer consistently delivers precise and reliable results.

## How to Order

Sodium Analyzer Easy Na	30060051
DX222-Na Sodium ISE	30079616
DX205-SC Reference Sensor	30066675
Elektrolyt 0.5 M DIPA-HCL-ISA, 25 mL	30064081
Elektrolyt 0.5 M DIPA-HCL-ISA, 250 mL	30066674
EasyDirect Instrument Licenses	30065449
20 mL Burette	30043901
USB-P25 Printer	11124301
Plastic beakers (100 mL), 120 pcs.	51109388

[www.mt.com/SodiumAnalyzer](http://www.mt.com/SodiumAnalyzer)

For more information

### METTLER TOLEDO Group

Analytical

Local contact: [www.mt.com/contact](http://www.mt.com/contact)

Subject to technical changes.

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