

Nelson-Jameson 926 Chloride Analyzer



The Nelson-Jameson 926 Chloride Analyzer is a reliable, accurate, and exceptionally easy to use instrument dedicated to the measurement of total chloride with a feature to determine percent salt. This includes a broad spectrum of food products, raw materials, and industrial applications. At the touch of a button, you can have results displayed directly as mg/1 (ppm) or mg % salt.

1-800-826-8302
nelsonjameson.com

NELSON | **JAMESON**
INC.

Nelson-Jameson 926 Chloride Analyzer

Designed with the Operator in Mind

An exhaustive design and development program has optimized instrument ergonomics which ensures that the 926 is a pleasure to use, whatever the workload. Calibration is preset, exceptionally stable, and rarely needs adjustment. Plus the 926 is competitively priced and economical to operate.

Results you can Trust

The Chloride Analyzer is not a conductivity meter. Rather, this instrument is based on traditional titrimetric methods developed by Gay-Lussac, Levol, Mohr, and Volhard. Like the classic methods, the 926 relies on the chemical formation of an insoluble salt, silver chloride. Thanks to a microprocessor and unique acid buffer, the 926 improves on the sensitivity and selectivity of the silver titration method. Deterioration of standardized silver nitrate reagent and disposal of toxic chemicals are also avoided.

An Instrument that will Last

Advanced technology and rigorous quality assurance have produced this dependable instrument. Use the 926 as a stand-alone chloride and salt tester, or as part of a networked system. The RS232 and USB outputs allow for connectivity to integrate data with your favorite spreadsheet or Laboratory Information Management Software (LIMS).

Data Manipulation with Active Salt

The 926 is equipped to be linked to a suitable printer or to be interfaced to a PC hosting Active Salt Software; developed to enhance the Model 926 Chloride Analyzer. Designed initially for the Cheese industry, the software may be applied to any food product requiring salt analysis and documentation; the software may be configured by the operator to suit their particular laboratory requirements. The Active Salt package can collect data directly from a balance with RS232 output together with the Chloride analyzer results.

Some of the advantages are:

- No transcription errors.
- No time wasted doing manual calculations.
- No need to achieve specific sample and diluent weights.
- Automatic data storage and analysis report generation.



Specifications:

Performance

Range

10 - 999 mg/l Chloride or
.2 - 165 mg% Salt

780-3545

Accuracy

Results will be within ± 2 mg/l (at the 100 mg/l level) of values obtained by standard wet-chemistry methods.

Linearity

Results will be within ± 3 mg/l in the range of 50 to 299 mg/l.

Reproducibility

Values obtained from five consecutive titrations of a nominal 200 mg/l solution will be within ± 3 mg/l of the mean value.

Stability

Calibration level (mean of five titrations of standard solution) will change by less than ± 2 least significant digits over the life of any silver anode.

Response Time

A stable reading will be displayed within 36 seconds of pressing the titrate button at a concentration level of 200 mg/l.

Measurement Capacity

Seven industrial samples at 0.5 ml volume per reagent change.

Electrical Requirements

100-240V 50 - 60 Hz, 0.6A

Size and Weight

Size	Weight
12.5" high	5#
8" wide	
10" deep	

Consumables

780-3750	Chloride Standard, 100ml/btl
131-3751	Combined Acid Buffer, 500ml/btl
780-3730	Silver Electrode Polish, 25g/btl
780-3910	Silver Electrodes, 1 Cathode/2 Detecting
780-3911	Silver Electrodes, Anode, 3/pk
780-3010	Plastic Beaker, marked at 14ml