

TOA

SAT-210 SALT ANALYSER

Concentration of salt and chloride ion easily and speedily can be measured in 25 seconds

Just dispense sample solution with micro-dispenser into measuring beaker.

Concentration of salt and chloride in the sample solution can be measured by this very simple operation with SAT-210.

Furthermore, SAT-210 expedites the measurement speed; it takes only 25 seconds for one sample measurement.

Measuring units can be chosen among four units;

%(w/v), %(w/v), mg/l, mol/l.

TOA Electronics suggest you that SAT 210 is helpful for quality control in food processing line, high reliability of HACCP, saving time or slashing of man-power in routine work.



Handwritten note: No need

SAT-210 SALT ANALYZER

FEATURES

Easy Operation & High Performance

● Easy Operation

Just to inject sample solution into electrolyte with micro dispenser starts measurement automatically and let you obtain the accurate result (Less than 0.5% in C.V. value at 2% of solution)

● Speedy Measurement

It takes only 25 seconds from start of measurement to printing out of result with 1% of standard solution. Even with high concentration of salt such as soy source, it takes only 40 seconds.

● Same Electrolyte can be repeatedly used

Same electrolyte can be used for continuous measurement; More than 100 times for 1% of standard solution, About 60 times for soy source, so electrolyte can be saved.

● No affection by color

Detecting section responds only to salinity (Cl^-), therefore it is free from affection of coloring substance food or seasoning.

● Printing on Average Value

Printing out average value every n times
Data list printing on average value and each datum from No. n to No. n', from No. n to No. n' except specific sample number No. x. after measurement.

● Direct reading on Salinity in Solid state sample

● Display by both of NaCl and Cl^- concentration in standard. And also it can be obtained in printer.



SPECIFICATIONS

Measuring Method : Coulometric titration method
(End point is detected by potential difference)
Sample Injection Method : Micro Dispenser
Sample Injection Volume : 2, 20, 200 μl or other (2~1,999 μl)
Indication of Display : NaCl or Cl (Chloride ion) Convertible
Concentration indication unit : % (w/v), % (w/v), mg/L, mmol/L
Measuring Range & Resolution : [In case of % indication]
0.00~99.99% 0.01%
0.000~9.999% 0.001%
0.0000~0.9999% 0.0001%
other

Lower measuring limit : 0.02% at 200 μl dispenser
0.7% at 20 μl dispenser
2% at 2 μl dispenser

Repeatability : Less than 0.5% in C.V. value at 2% of solution.
Calibration : Automatic Calibration using NaCl standard solution.
Printer : Built-in (Sample No. 0~999)

Average Printing : Average every n time of on going measurement
Date-list print out and the average for No. n

~n' after measurement
(exception setting is also possible)

Calculation Constant Setting : It is possible to set diluting ratio etc.

Output : Digital signal output interface RS-232C (option)

Power Source : AC Line $\pm 10\%$ 50/60 Hz

Power Consumption : Approx. 25VA

Main Unit Size & Weight : Approx. 230(H) x 240(W) x 390(H)mm,
Approx. 7.5Kgs

STANDARD ACCESSORIES

Silver electrode AG-111	2pcs
Silver wire for electrolysis SAT-AG	1pc
Reference electrode MS-112	1pc
Electrolyte 500ml SAT-1F1	1btl
Additional solution 50ml SAT-1G1	1btl
Polishing solution 50ml SAT-1Z1	1btl
Inner Soln. for Ref. Electrode 100ml SAT-1E1	1btl
Special beaker SAT-R20	2pcs
10% of Standard solution 100ml SAT-1A1	1btl
Stirring bar SAT-SB	2pcs
Printer chart paper PAP-HCS(5roll/pack)	1pack
Micro dispenser 2, 20 or 200 μl (designated)	1pc
Power Cord	1pc
Instruction manual	1copy

NOTE

When ordering, please specify the necessary dispenser 200 μl , 20 μl or 2 μl : in
200 μl for ~ 0.999%, 20 μl for ~ 9.999%, or 2 μl for ~ 99.9%.

OPTIONS

- 1% of Standard solution 100ml SAT-1A2
- RS-232C interface unit IF-1S

TOA

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