

IA-300

Ion analyzer

Easy simultaneous measurement of multiple ions

Easier and more familiar ion analysis !

Six cation items or seven anion items are simultaneously measured using the ion chromatograph method.

Anion : PO₄, F, Cl, NO₂, Br, NO₃, SO₄

Cation : Li, Na, NH₄, K, Mg, Ca

Easy operation for anybody

Measurement can be simply done by just injecting a sample!

Analysis and calculation of data are performed automatically by the system itself, and measurement results are displayed and printed.

Suppressor method is also available for anion measurement

Labor saving achieved by automatic measurement of multiple samples

Automatic measurement of multiple samples is possible by connecting the optional auto sampler.

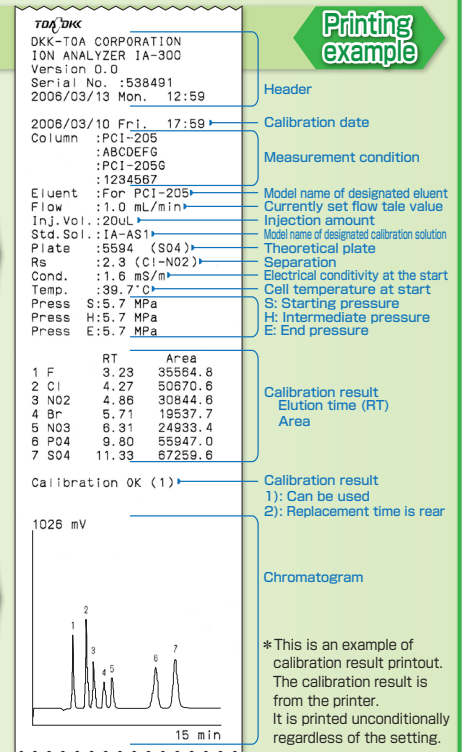
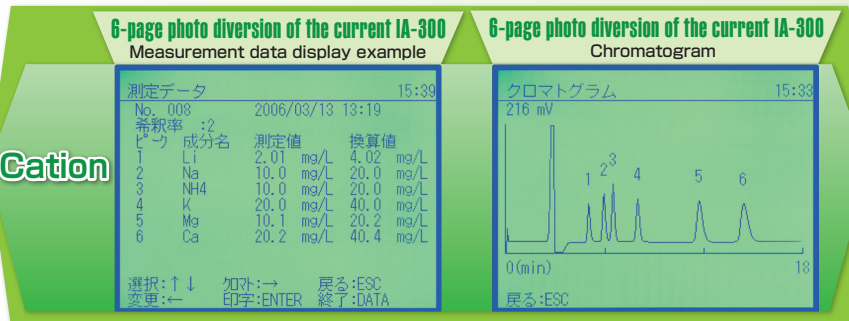
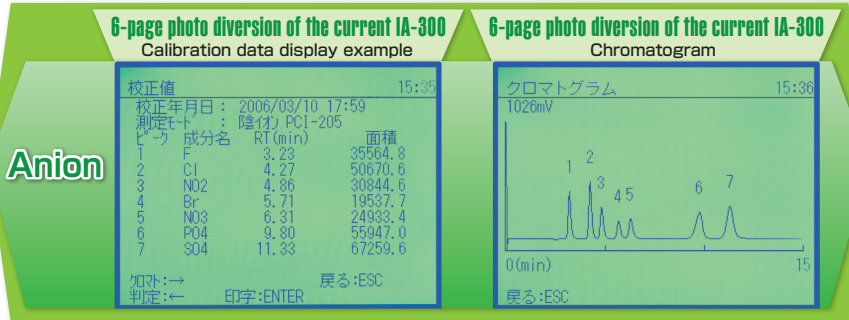


Product Information on IA-300 is introduced on our company website.

◆ Example of display and printing

Quantitation value and chromatogram can be displayed and printed.

Printing example



Header
 Calibration date
 Measurement condition
 Model name of designated eluent
 Currently set flow rate value
 Injection amount
 Model name of designated calibration solution
 Separation
 Theoretical plate
 Electrical conductivity at the start
 Cell temperature at start
 S: Starting pressure
 H: Intermediate pressure
 E: End pressure
 Calibration result
 Elution time (RT)
 Area
 Calibration result
 1): Can be used
 2): Replacement time is rear
 Chromatogram
 * This is an example of calibration result printout. The calibration result is from the printer. It is printed unconditionally regardless of the setting.

◆ Specifications

Model name	IA-300				
Price	Non-suppressor type : ¥1,450,000		Suppressor typ : ¥1,500,000		(Columns, calibration solution, eluent, and removal solution are sold separately.)
Measurement method	Ion chromatography				
Measurement items	Anion : PO ₄ , F, Cl, NO ₂ , Br, NO ₃ , SO ₄ Cation : Li, Na, NH ₄ , K, Mg, Ca				
Sample measurement	Loop-cut method Loop capacity 20 μL or 200 μL				
Measurement Mode ※	Suppressor anion measurement (When using column PCI-205)		1, divalent cation measurement (When using column PCI-322)		
Measurement range	Measurement items	20 μL Loop	Measurement items	20 μL Loop	200 μL Loop
	PO ₄	0.250~100.0 mg/L	Li	0.05~10.0 mg/L	0.005~1.0 mg/L
	F	0.050~50.0 mg/L	Na	0.25~50.0 mg/L	0.025~5.0 mg/L
	Cl		NH ₄		
	NO ₂		0.5~100.0 mg/L	K	0.025~5.0 mg/L
	Br			Mg	
NO ₃	0.100~100.0 mg/L	Ca	0.5~100.0 mg/L	0.05~10.0 mg/L	
SO ₄					
Measurement time	15 minutes		18 minutes		
Column oven	40±4°C				
Detection unit	Detector				
Printer	Built-in thermal printer				
Output	Analog : 0~1 V Digital : RS-232 C				
Power supply	AC100V 50/60Hz				
Main Unit Dimensions	Approx. 190 (W) × 470 (H) × 530 (D) mm				
Weight	Approx. 18kg				

※The measurement mode described is an example. For other measurement modes, contact us.



DKK-TOA CORPORATION

CAUTION

Please read the operation manual carefully before using products.

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