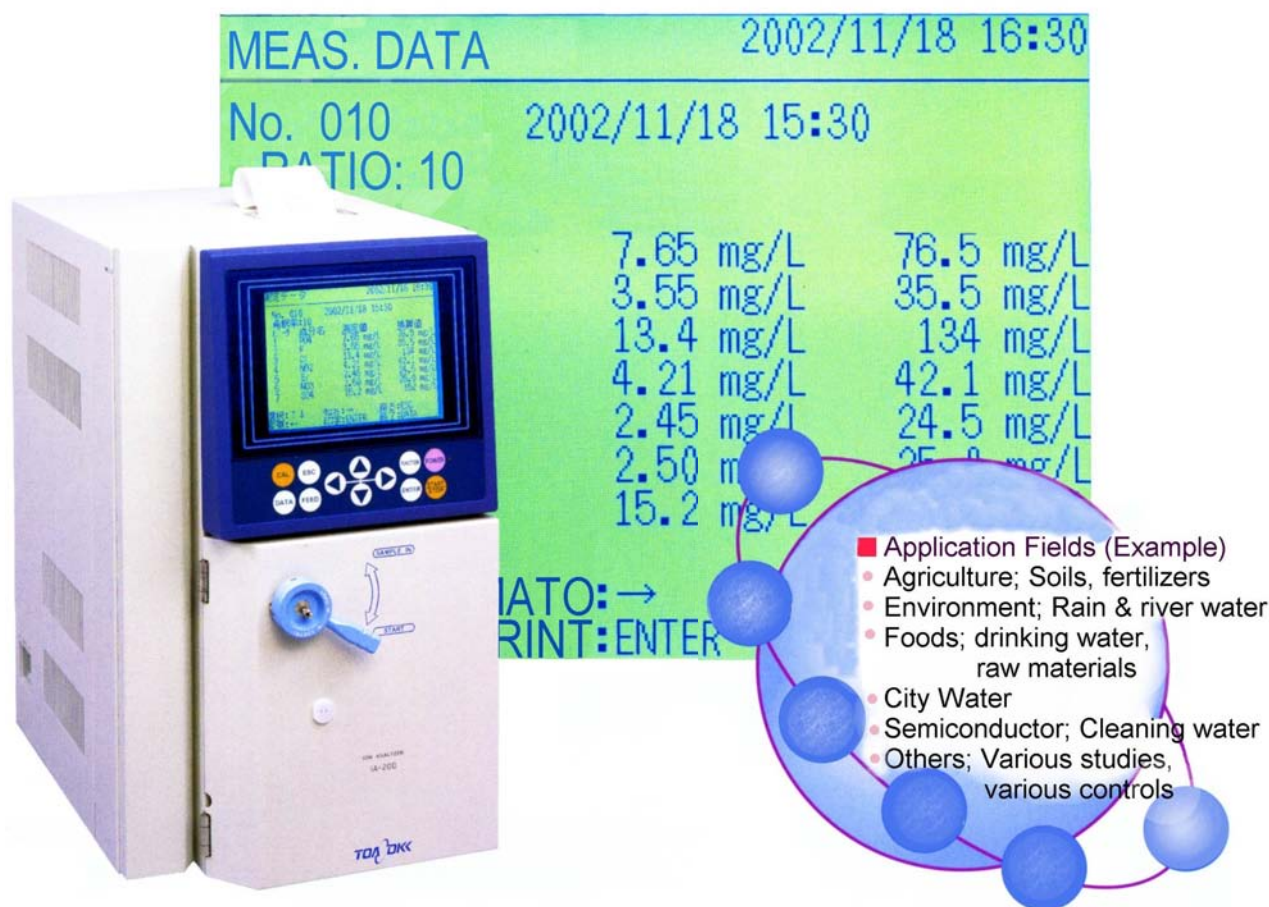


Easy-to-use Ion Chromatograph with personal application

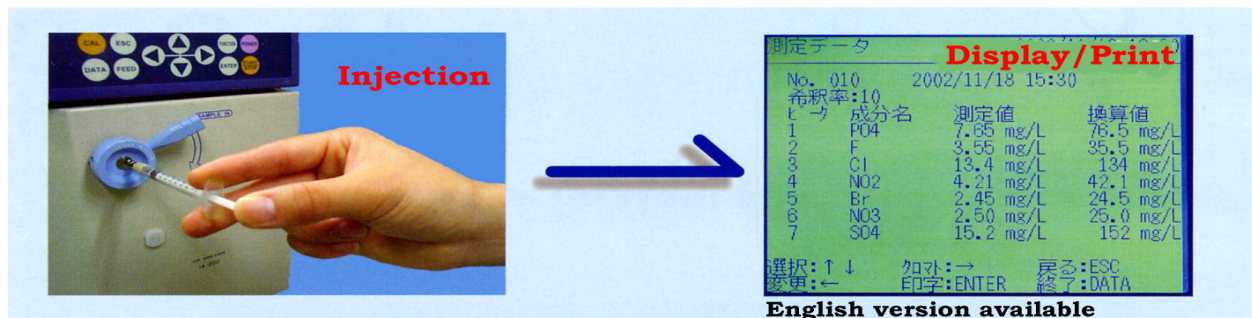


FEATURES

Simultaneous Measurement of 6 Cations or 7 Anions.
 Either mono or divalent cation only can be measured by the selection of measuring mode. *Note; Meas. of cation and anion can not be made simultaneously.
 Compact Size Analyzer.
 Pump, detector, oven & data processor built into 1 unit.
 Built-in Automatic Data Processing Function.
 Measured result is automatically calculated & printed out. Troublesome data processing by PC not required.
 Simple Operation
 Inject the sample and wait approximately 15 minutes, then, measured result is printed out. Professional knowledge is unnecessary & extremely simple meas. procedure attained.

Low Cost
 Outstandingly low cost achieved for ion chromatograph with data processing function.
 Large Graphic Display
 It adopts easy-to-see & large graphic display, permitting the display of chromatograph.
 Auto-sampler of Multi-samples
 Automatic multi-sample measurement available by connecting an optional auto-sampler.
 Superior Maintenance Ability
 Ease of maintenance attained as replacement of all columns and piping can be made from the front side.

Simple Operation Inject the sample with a syringe and put the lever down.



Specifications

Measurement method	Ion chromatograph method			
Measurement item	Anion PO ₄ ,F,Cl,NO ₂ ,Br,NO ₃ ,SO ₄ 1&2 valent cation (simultaneous measurement) Li,Na,NH ₄ ,K,Mg,Ca 1 valent cation Li,Na,NH ₄ ,K 2 valent cation Mg, Ca (by exchange of column & eluant)			
Measurement range	Measuring item		20uL loop	200uL loop
	Anion	F,Cl,NO ₂ ,Br,NO ₃	0.500 – 50.0mg/L	0.050~ 5.00mg/L
		SO ₄	1.00 ~100mg/L	0.100 ~ 10.0mg/L
		PO ₄	2.50 ~ 100mg/L	0.250 ~ 10.0mg/L
	1, 2 valent cation	Li	0.050 ~ 5.00mg/L	0.005~0.500mg/L
		Na,NH ₄ ,Mg	0.250~25.0mg/L	0.025~2.50mg/L
		K,Ca	0.500~50.0mg/L	0.050~5.00mg/L
	1 valent cation	Li	0.100~10.0mg/L	0.010~1.00mg/L
		Na,NH ₄	0.500~50.0mg/L	0.050~5.00mg/L
		K	1.00~100mg/L	0.100~10.0mg/L
2 valent cation	Mg	0.500~50.0mg/L	0.050~5.00mg/L	
	Ca	1.00~100mg/L	0.100~10.0mg/L	
Repeatability	C.V value 2% at calibration solution			
Sample inject.	Manual sample injection and valve change-over			
Sample meas.	Loop-cut method , Loop capacitor: 20uL or 200uL			
Meas. time	10 ~ 15 min/time (depending on measurement condition)			
Calibration	One point calibration by specified calib. solution			
Column oven	40 ± 4			
Data process	Built-in			
Detector	Method: conductometric detection , Operational amplifier by tri-pole electrode , Cell temp. control: 40 ± 4			
Display	Graphic LCD			
printer	Dot type thermal printer built-in			
Ambient temp..	10 ~ 35			
Output	Analog: 0 ~ 1VDC, Digital: RS-232C			
Auto-sampler	Option			
Power source	100VAC, Other voltage available, 50/60Hz			
Power consump.	Max. 50VA			
Dimension & weight	Approx. 240(w) x 420(h) x 342(d)mm, approx. 12.6kg			

- needle port x1
- PEAK union x1
- finger tight fittings x2
- syringe for air removal x1
- sample loop(20,200uL) x1 each
- power cord x1
- 2P conversion adapter x1
- grounding leadwire x1
- spanner x1
- printer paper x2
- instruction manual x1

Parts separately sold

Column

- Cation column, PCI-211
- Cation guard column,PCI-211G
- 1,2 valent cation column,PCI-311S
- 1,2 valent cation guard column, PCI-311SG
- 1 or 2 valent cation column,PCI-302S
- 1 or 2 valent cation guard column PCI-302SG

Calibration solution

- Anion calib. solution,IA-AS1,100ml (for 20uL loop)
- Anion calib. solution,IA-AS2,100ml (for 200uL loop)
- Cation calib. solution,IA-CS1,100ml (for 20uL loop)
- Cation calib. solution,IA-CS2,100ml (for 200uL loop)

Eluant

- Anion eluant(2L),6547760K
- Anion eluant(5L),6557780K
- 1&2 valent cation eluant(2L)
- 1&2 valent cation eluant(5L)
- 2 valent cation eluant(2L)
- 2 valent cation eluant (5L)

Conjunction tube,6547830K w/2L tank

Printer paper, PAP-HCS(5 rolls)

Auto-sampler, ICA-200AS

Standard accessories

1ml disposable syringe x1 , 1/16 inch tube needle x1

- Cautions**
1. Due to column protection, the sample must be filtered prior to measurement
 2. High conc. sample must be diluted with pure water.