

# ICA-7000



# Specification-Main unit ICA-7000



|                   |                         |  |
|-------------------|-------------------------|--|
| Display           |                         | LCD display with back light  |
| Operation setting |                         | Key or special software  |
| Wetted material   |                         | Completely nonmetallic   |
| Power supply      |                         | AC100 V 5 0/ 6 0Hz, AC220V (external power supply)                                   |
| Power consumption |                         | Max. approx.300 VA   |
| Dimensions        |                         | Approx. 40 0 (W) X5 5 0 (H) X471(D) mm   |
| Weight            |                         | 1CH : approx. 28kg, 2CH: approx..31kg  |
| Column Oven       | Temp. control method    | Air circulation method   |
|                   | Temp. control range     | Ambient temp. + 10 - 60°C  |
|                   | Temp. control precision | ±0.1 °C  |
|                   | Inner dimensions        | Approx. 3 6 5( W) X100 (H) x113 (D) mm   |
|                   | Storage columns         | Max. 3p of ϕ 4.6 X250 mm size of columns can be storage                              |
|                   | Leakage sensor          | Built-in   |
|                   | Others                  | EC Cell 2p, Injector 2p, Suppressor 2p, can accommodate reaction coil simultaneously |

# Specification-Main unit ICA-7000

|                  |                           |   |
|------------------|---------------------------|---|
| Sample injection | Method                    | Fluororesin gas permeation separation type                        |
|                  | Wetted material           | PEEK、Ceramic  |
|                  | Pressure resistance       | 25MPa   |
|                  | Sample measurement method | Loop cut method   |
|                  | Built-in no.              | Max. 2 unit   |
| Degasser         | Method                    | In-line method fluororesin gas permeation type                    |
|                  | Built-in no.              | 2CH (standard)  |
| Pump unit        | Model                     | ICA-700P( dedicated pump)   |
|                  | Liquid feeding method     | Linear drive double plunger reciprocating type                    |
|                  | Wetted material           | PEEK, Sapphire,, Ruby, PTFE、PCTFE、PFA、ETFE , Kallets              |
|                  | Max. discharge pressure   | 20MPa   |
|                  | Flow rate setting range   | 0.001~9.999ml (dedicated software setting range: 0.01~9.99ml/min) |
|                  | Ithead discharge volume   | 80μL  |
|                  | Gradient                  | Isocratic: 1 type, Gradient: 2 types †                            |
|                  | Built-in no.              | Max. 3unit (Standard 1unit)                                       |

# Specification-Main unit ICA-7000

|                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| Detector                            | Method                              | EC circuit2ch , Analog input 2ch   |
|                                     | Built-in                            | Max. 3 ch  |
| Data processing<br>Control software | OS                                  | Windows7, Windows8.1, Windows 10 32bit or 64 bit   |
|                                     | Communication form                  | USB  |
|                                     | Main control<br>Monitor description | Power ON/ OFF, 1week timer on/off<br>Flow rate, Pressure, Pressure limit,<br>Temp. (Oven, cell),<br>EC detector setting, Meas.signal etc |
|                                     | Data import                         | Indipendent3 ch  |

# Specification-Suggesting PC (procure locally)

|                   |  |
|-------------------|--|
| OS                | Windows7, Windows8.1, Windows 10       |
| Processor         | 32bit or 64bit Intel Core i3 or exceed |
| Memory            | RAM 2GB or more                        |
| Hard disc         | HDD free space more than 16 GB         |
| USB               | USB2.0 Interface more than 1 free port |
| Screen resolution | 11366x768 pixel                        |

# Specification- EC cell for ICA-7000

|                       |  |
|-----------------------|--|
| <b>Built-in model</b> |  |
| Meas. Method          |  |
| Meas. Range           |  |
| Response              |  |
| Cell control temp     |  |
|                       |  |
|                       |  |
|                       |  |
|                       |  |
|                       |  |

# Specification- Pump unit ICA-700P

|           |                         |   |
|-----------|-------------------------|---|
| Pump unit | Model                   | ICA-700P( dedicated pump)   |
|           | Liquid feeding method   | Linear drive double plunger reciprocating type                    |
|           | Wetted material         | PEEK, Sapphire,, Ruby, PTFE,PCTFE, PFA, ETFE , Kallets            |
|           | Max. discharge pressure | 20MPa   |
|           | Flow rate setting range | 0.001~9.999ml (dedicated software setting range: 0.01~9.99ml/min) |
|           | Ihead discharge volume  | 80μL  |
|           | Gradient                | Isocratic: 1 type, Gradient: 2 types †                            |
|           | Built-in no.            | Max. 3unit (Standard 1unit)                                       |

# Strong point

1) Multi CH is available with one body

\*This is feature of this model only, not find other brand items

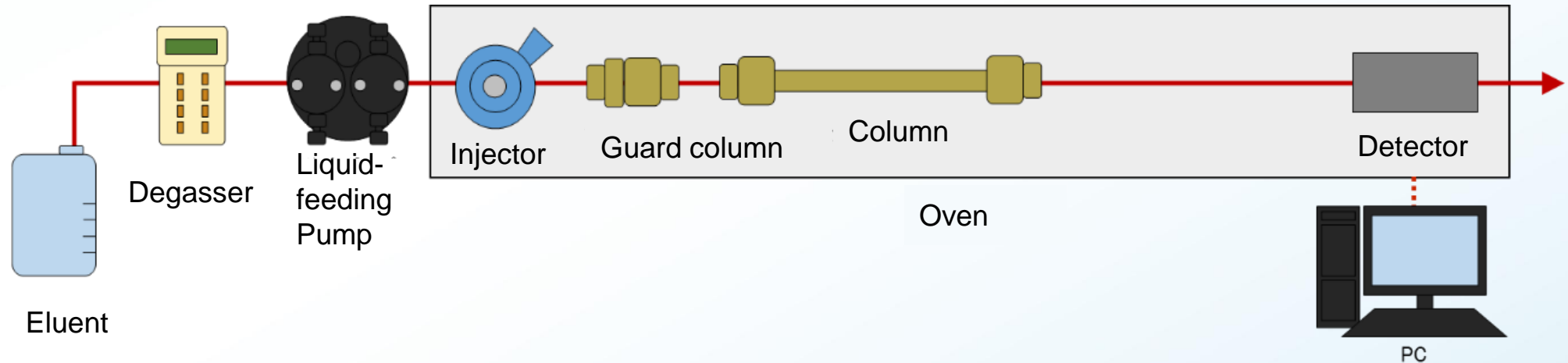




# Strong point

## 2) Non-suppressor analysis is available

\*All Thermo products are suppressor type



# Strong point

## 3) Equipped with electrolytic regeneration suppressor

- \*Conductivity close to zero, even small peaks can be measured
- \*High performance
- \*Low running cost

# Strong point

- 4) Eluent generator mounted
  - \*Low running cost

# Strong point

5) Long life plunger seal

\*Low running cost



# Strong point

## 6) Easy maintenance

# Strong point

7) Remote control for instrument and data processing are available with **USB** communication

Remote data processing is available with **LAN**



Strong point  
8) Wide range of analysis  
are available

\* Analysis of cyanide,  
bromine, heavy metals  
etc. is possible by  
combination with post  
column reactor



# Strong point

8) Wide range of analysis are available

\* Analysis of saccharides etc. is also possible by combination with electrochemical detector





# Strong point

9) Continuous measurement of up to 200 samples is possible by connecting with the auto sampler.

