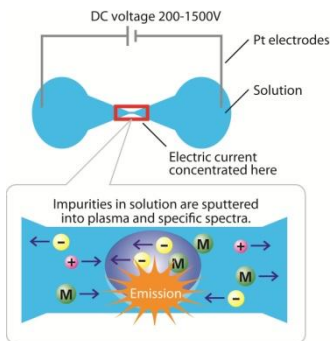


Portable Elemental Analyzer MH-6000A (Flow Injection analysis & Small Desktop)

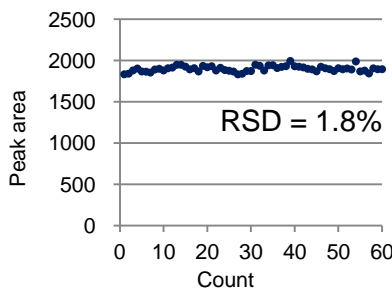
- Elemental analysis of liquid sample with LEP-AES in desktop body
- **Stability, sensitivity and accuracy** improvement significantly with flow injection analysis
- **Labor-saving** of continuous analysis, rinsing inside and exchanging sample significantly
- Satisfaction **wide range and high resolution** of wavelength with two embedded spectrometers
- Analysis **alkaline solution and silicon directly** with sapphire cell



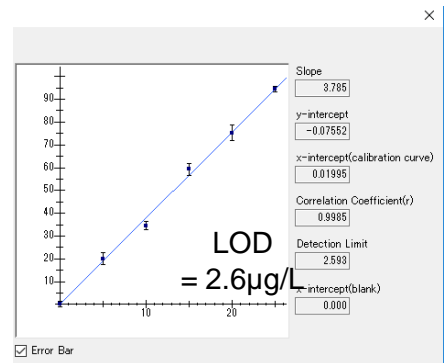
Portable elemental analyzer MH-6000A



Principle of LEP:
Liquid Electrode Plasma



Stability of continuous analysis
500µg/L cadmium



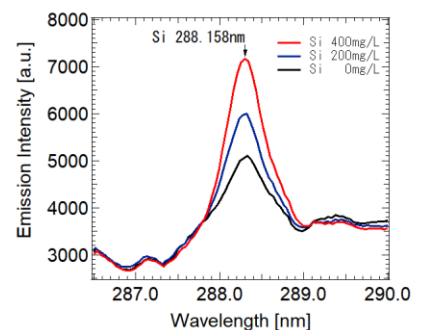
Calibration curve
of 0-25µg/L cadmium



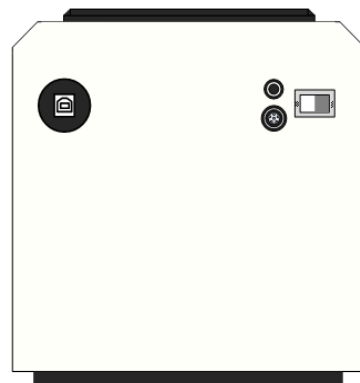
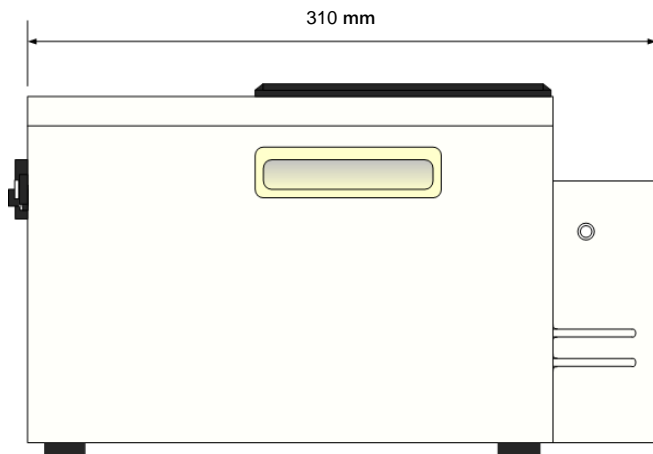
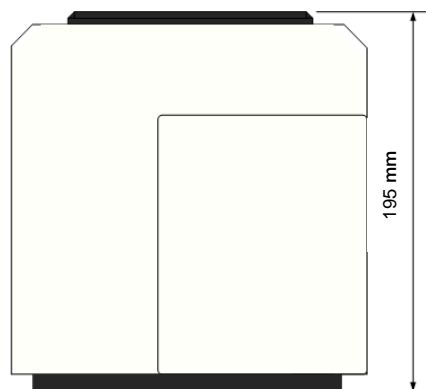
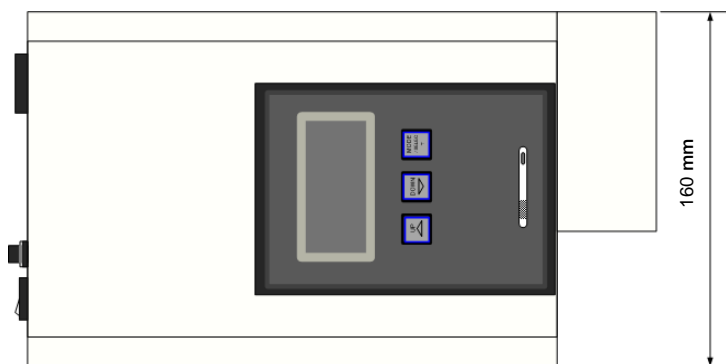
Linear type cell
(Quartz and Sapphire)



A connection sample
of MH-6000A and pump



Silicon emission line
in potassium hydroxide



Specification

Principle	LEP: Liquid Electrode Plasma
Objective	Quality/Quantity elemental analysis in liquid
Elements	45 element Ref: measurement range
Flow rate	0.1 - 1.0mL/min typically
Cuvette	LepiCuve-SC or SA (5mm x 5mm x 7mm)
Spectrometers	Two or one USB4000(s)
Power source	AC 100 - 240V ± 10%, 50/60Hz
Dimensions	310mm(L) × 160mm(W) × 195mm(H)
Weight	4.4kg
Req. devices	Pump and personal computer

Accessories / Consumables / Options

Bundled accessories

- AC adapter 100 - 240V (50/60Hz)
- USB cable
- Application CD-R LEP_Analyzer
for Windows 7, 8.1, 10 (32bit/64bit)

Consumables

- LepiCuve-SC Cuvette with quartz
- LepiCuve-SA Cuvette with sapphire

Options

- Tubing pump, Syringe pump, Watertight case

Reference

Atomic emission spectrometry in liquid electrode plasma using an hourglass microchannel
 Yoshinobu Kohara, Yasushi Terui, Megumi Ichikawa, Kazuko Yamamoto, Toshihiro Shirasaki, Kimiyoshi Kohda,
 Tamotsu Yamamoto and Yuzuru Takamura, Journal of Analytical Atomic Spectrometry, 30, 10, 2125-2128, 2015



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