

# MERCURY ANALYZER HG-400

- Cold Vapor Atomic Absorption Spectrometer -



HG-400-5C30: The system w/ sample changer

The HG-400 series is an automated mercury analyzer that achieves a 0.5ppt detection limit based on Cold Vapor Atomic Absorption Spectrometry (CVAAS) complying with EPA 245.1-7.

## High sensitivity

Improved high-sensitivity of detection limit 0.5ppt (based on testing size 5mL) by optimized optical system and flow channel. Perfect for strict environmental analysis.

## System maintenance information

Total time of mercury lamp in use, accumulated dispense volume from the dispenser, alerts for low reagent remaining etc. and other helpful functions for supporting GLP.

## Extremely compact design

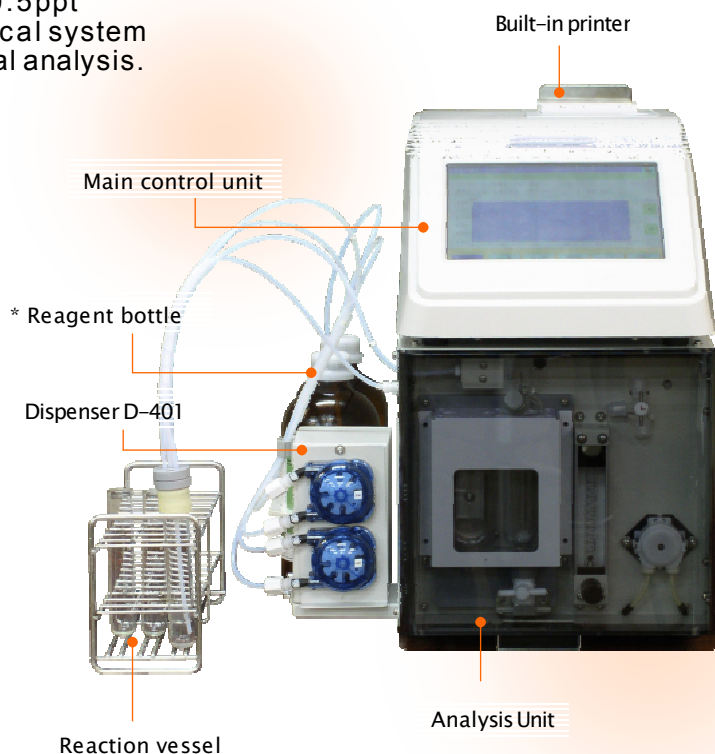
Down sized the system includes built-in thermal printer saves valuable bench space.

## User-friendliness touch panel

Main Control Unit type is equipped with 7.5 inch color graphics LCD touch panel screen.

## Brilliant data handling

Conservable data into USB flash memory.



HG-400-5D: The system w/ reagent dispenser D-401

## ■ Main configuration

Type	Sample changer	Description
HG-400-5	-	-
HG-400-5D	-	w/ Reagent dispenser D-401
HG-400-5C30	30 specimens	w/ Reagent dispenser D-401

● Reagent dispenser or automatic sample changer configuration model is equipped with *Reagent dispenser D-401* as standard.

\*Chemical reagents are not included.

## ■ HG-400 Standard Specifications

### Analysis Unit HS-400

Measurement method	Cold Vapor atomic absorption spectrometry
Testing size	5mL
Detection range	Testing size 5mL: 0 - 500ng / 5mL (0-100ppb)
Lower detection limit	Testing size 5mL: 0.5ppt
Lower quantity limit	50ppt
Reaction vessel	Special test tube
Desiccation method	Electronic cooling method
Mercury collection method	Collection by activated charcoal
Light source	Low pressure mercury lamp
Measurement mode	Peak height mode / Integration mode
Power supply	AC100-240V, 50/ 60Hz, 100VA
Dimensions/ Weight	220W × 400D × 220H (mm) / Approx. 12kg

### Main Control Unit MC-1HG

Touch panel screen	7.5 inch color graphics liquid crystal display
Printer	Built-in thermal printer, 58mm chart paper
Power supply	AC100-240V, 50/ 60Hz, 30VA
Dimensions/ Weight	220W × 400D × 150H (mm) / Approx. 4kg

### Sample changer C-430-5

Testing size	5mL
Number of measurement	30 specimens
Power supply	AC100-240V, 50/ 60Hz, 30VA
Dimensions/ Weight	240W × 380D × 370H (mm) / Approx. 12kg

## ■ Options

Reagent dispenser D-401  
*Included as standard equipment depends on the configuration*  
 Connection cord and reagent bottle tray are attached.

Dot Impact printer PR-302B  
 58mm Chart paper/ Signal cable is attached.



Dot Impact printer  
PR-302B



Reagent dispenser D-401

Your local distributor is

- The product color may vary from the actual product due to printing qualities.
  - Appearance, specification, etc. are subject to change for improvement without prior notice.
- [Note]** For safe and appropriate use, please be sure to read the "Instruction Manual" before using the product.

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