

Mercury Analyzer HG 400

The HIRANUMA HG-400 is an automated mercury analyzer that achieves a 0.5 ppt detection limit based on Cold Vapor Atomic Absorption Spectrometry complying with EPA and other standard methods.



- Methods EPA 245.1-7, JIS K 0102 and others
- High sensitivity! – detection limit 0.5ppt
- Cold Vapor atomic absorption spectrometry
- Compact design with touch screen interface



Features



High sensitivity! – detection limit 0.5ppt.

Perfect for trace levels of mercury detection. The improved optical system and measurement flow path enables the analyzer to reach a lower detection limit of 0.5ppt of Hg.

Comprehensive data handling!

Data can be stored in USB flash memory stick. Special software is also optionally available!

GLP compliant functions!

Helpful system maintenance information provided!

HG 400 automatic Mercury analyzer by reduction vaporization atomic absorption spectrometry conforming to various methods such as JIS K 0102 factory wastewater test method and clean water test method. You can choose from a wide range of variations, such as a small sample volume (5 mL), a sample volume type that conforms to various official methods, and an automatic cycler configuration type.

User friendly – Touch screen Interface

A large 7.5 inch LCD color touch screen provides all the information that the analyst requires.

Compact design

Built-in printer saves more valuable bench space!

Maintenance information

- Mercury lamp usage time.
- Accumulated dispense volume from the dispenser.
- Warning for low reagent and other helpful functions for supporting GLP.

HG-400 Mercury Analyzer Standard Specifications

Analysis Unit

Measurement method	Cold Vapor Atomic Absorption Spectrometry
Testing size	5-mL
Detection range	0 – 500ng / 5mL (0 – 100ppb)
Lower detection limit	0.5 ppt
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
Air pump	Electromagnetic drive diaphragm pump
Power supply	AC100-240 V, 50/60 Hz, 100 VA
Dimensions / Weight	220 (W) x 400 (D) x 220 (H) mm / Approx. 12 kg

Main Control Unit

Printer	Built-in thermal printer (paper width: 58 mm)
Touch panel screen	7.5 inch color graphics liquid crystal display
Data capacity	Internal memory : 60 data, USB flash memory (>256MB) Max. approx.9900 data
Files	Sample file: 99 files (ID code, sample size, testing size, total volume, condition file No.) Measurement condition file: 6 files
GLP compliant function	Operation times of air pump/ dispenser/ Hg collection column, reagent level alarm, error history, operation time/ light intensity of mercury lamp, maintenance information
Power supply	AC100-240 V, 50/60 Hz, 30 VA
Dimensions / Weight	220 (W) x 400 (D) x 200 (H) mm / Approx. 4 kg

C-430-5 Sample Changer

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

Options

C-430-5 Sample Changer

Data can be stored in USB flash memory stick. Special software is also optionally available!

PC software "Hg-Net Viewer"

for viewing and editing data stored in USB flash memory on PC

Dot impact printer PR-302B

Chart paper, paper width: 58 mm

