



HYDRA-C Automated Mercury Analyzer

PRE-INSTALLATION GUIDE



Part Number 150-00275
Revision A



Introduction

The purpose of this guide is to assist new users in the preparation of their laboratory prior to the installation of the HYDRA-C Automated Mercury Analyzer. If anything is unclear with the information that is provided, please contact our Customer Support Department at 1-800-LEEMANS (1-800-533-6267).

Please retain a copy of the pre-installation guide for your records.

Receipt of the Instrument

Leeman Labs HYDRA-C Automated Mercury Analyzers have successfully passed stringent Quality Control and Performance Specifications prior to shipment. The HYDRA-C is carefully packed to ensure safe travel to your lab, but occasionally damage may occur during shipping.

A visual inspection of the shipping container and boxes should be done before signing of the shipper's document. If any box is visibly damaged, make a note of this on the shipper's document then notify the shipping company **immediately**. Be assured Leeman Labs will work with you to correct any problems. However, if damage has occurred, correction of that damage will be at the expense of the responsible party as defined by the purchase order.

Please do not unpack any boxes without consulting the Leeman Labs Customer Support Department. The Leeman Labs Installation Engineer is responsible for the checkout of the shipment against the packing list. He or she cannot be responsible for this task, nor can Leeman Labs be responsible for any missing items, if boxes have been opened or removed before the arrival of the installation engineer.



Pre-installation Requirements

Introduction

The HYDRA-C Pre-installation Guide details the site parameters required for proper installation of the HYDRA-C Automated Mercury Analyzer. Ensure that your installation site meets these requirements before attempting to install the instrument.

Site Requirements

Check your site for the following requirements:

Electrical Requirements

Three duplex outlets @110V, 15A, 60 Hz or three duplex outlets @220V, 10A, 50 Hz. The standard computer system requires an additional 3 outlets. The computer and HYDRA-C should be plugged into the same outlet. Use of a surge protection power strip is recommended.

Gas Supply

A source of oxygen @ 10-20 PSI. The gas connection must be located within 10 feet (3 m) of the HYDRA-C and must accept 1/4" (6.35mm) OD, 1/8" (3.18mm) ID urethane tubing.

Venting

Access to exhaust ventilation of at least 25 CFM (11.8 L/sec). Ventilation should allow for connection of 1/4" (6.35mm) OD urethane tubing. May be clipped into existing hood.

Bench Space

19" width, 18" depth, 19" height (470 mm W, 457 mm D, 470 mm H), excluding computer system



Environmental Conditions

Temperature

The recommended nominal or average laboratory temperature is 16-35°C (61-95°F).

Temperature Variation

The temperature rate of change in the laboratory should be limited to 2°C (3.6°F) per hour, maximum daily change 10°C (18°F). This temperature variation allows for the most stable operation of the instrument. Greater temperature variations will affect instrument stability. Protection (such as blinds) from direct sunlight via windows is necessary.

Other causes of temperature shifts include:

Heat adjustments to the laboratory from morning to night, increase in room temperature due to direct sunlight, and automatic air conditioner adjustments.

Relative Humidity

Humidity plus heat plays a major role in operating stability. Humidity may vary between 20 and 80%, but must be a non-condensing environment.

The laboratory humidity range should be monitored to determine if additional climate controls are needed to prevent conductivity changes on detector assemblies.



If you have purchased installation from Leeman Labs, please insure the site requirements from the previous page have been met. Complete the information on this page and either mail or fax it back to Leeman Labs at (603) 886-4322 so installation can be scheduled.

Pre-Installation Completion Form

Operator's Name: _____
(PLEASE PRINT)

Company Name: _____

Address: _____

City: _____ State: _____ Zip _____

Telephone No.: _____ Extension: _____

Fax No.: _____

Email: _____

Your signature below indicates that all site requirements listed on the previous pages have been met.

Operator's Signature

Date

Install # _____

Please remove this page and return to Leeman Labs Customer Support Department, Leeman Labs, 6 Wentworth Drive, Hudson, N.H. 03051, or FAX to (603) 886-4322.

The installation of the Hydra-C Automated Mercury Analyzer System will be scheduled upon receipt of the Pre-installation Completion Report.



READER'S COMMENT FORM

Guide Title: HYDRA-C Automated Mercury Analyzer Pre-installation Guide

Part Number: 150-00275

Please use this form to communicate your views about this pre-installation guide.

Please rate this installation guide:

	Excellent	Good	Fair	Poor
Clarity	_____	_____	_____	_____
Completeness	_____	_____	_____	_____
Ease of Use	_____	_____	_____	_____
Organization	_____	_____	_____	_____

If you have found errors in this installation guide, please list them with their appropriate page numbers:

Please provide us with the following information:

Your Name: _____

Company Name: _____

Address: _____

Please FAX your comments to us at 603-886-4322. Thank you for your assistance.