



INSTALLATION QUALIFICATION PROCEDURES

GX-281 Liquid Handler





The enclosed Installation Qualification (IQ) procedures are aimed at end-users who are implementing GLP-type requirements. Easily detachable, they can be readily incorporated into proprietary Standard Operating Procedures (SOPs).



1. Instrument Identification

Manufacturer

Gilson, Inc.
3000 Parmenter Street
P.O. Box 620027
Middleton, WI 53562-0027 USA

Instrument Name	Serial Number*	Firmware Version*
GX-281 Liquid Handler		
Z-Arm		
GX Solvent System (optional)		
GX Z Injection Module (optional)		
GX Direct Injection Module (optional)		
GX Direct Injection Module (optional)		
GX Rinse Pump (optional)		N/A

* Refer to the shipping labels, located on the shipping container, for this information. Check that it matches the serial numbers on the instruments.

Supplier

Organization: _____

Address: _____

Phone Number: _____ FAX Number: _____

Name of Service Technician: _____

User

Organization: _____

Department: _____

Site (Room): _____

Date of Installation: _____

Primary Contact ("Observer"): _____

Name: _____ Phone: _____

E-Mail: _____



2. Pre-Installation

Instrument Description

The GX-281 Liquid Handler is an X/Y/Z instrument that can automate liquid handling procedures.

For technical specifications, refer to the *GX-281 Liquid Handler User's Guide*.

Unpacking

When unpacking the GX-281 Liquid Handler, check the contents against the information listed under the **Unpacking** heading in **Chapter 1, Introduction**, of the *GX-281 Liquid Handler User's Guide*.

Retain all packing material so the system may be shipped safely in the future.

Installation Site Requirements

Electrical requirements: 50/60 Hz
100–240V AC

Temperature requirement: 5°–40° C

Minimum bench space (W x D x H): 97.16 x 76.2 x 96.52 cm (38.25 x 30.0 x 38 in)

Available Documents

In addition to this document, the following are provided. For reference purposes, specify the storage location for each.

LT350008 USER'S GUIDE GX-281 LIQUID HANDLER _____

LT319642 GX-281 Z-ARM SETUP INSTRUCTIONS _____

LT315009 UNPACKING THE GX-281 LIQUID HANDLER _____

LT310133 ITEMS INCLUDED CHKLST, GX-281 261030-SET _____

LT310162 QC CHECKLIST GX-281 LIQUID HANDLER _____

LT312281 DECLARATION OF CONFORMITY GX-281 _____

The User's Guide and IQ Procedures are included on the GX-281 Liquid Handler Documentation CD (part number LT2605CD).



3. Installation

Liquid Handler Setup

Refer to the appropriate procedures in **Chapter 2, Installation**, of the *GX-281 Liquid Handler User's Guide* and in the *GX-281 Z-Arm Setup Instructions* document (part number LT319642, included with the Z-arm).

Rear Panel Connections

Refer to the appropriate procedures in **Chapter 2, Installation**, of the *GX-281 Liquid Handler User's Guide*.

Plumbing Connections

Refer to the appropriate procedures in **Chapter 2, Installation**, of the *GX-281 Liquid Handler User's Guide*.

Startup

Refer to **Chapter 3, Operation**, in the *GX-281 Liquid Handler User's Guide* for information on starting the GX-281 Liquid Handler.

Offset Utility

Run the GX-281 Offset Utility. Refer to the instructions included in the GX-281 Offset Utility Kit (part number 264976).

Installer/Observers

Have the person who installed the GX-281 Liquid Handler insert the information requested below.

Name: _____

Signature: _____

Date: _____

Have the people who were present for the installation insert the information requested below.

Name

Title or Position



4. Summary

Acceptance

No installation problems were detected or installation problems that were detected were resolved.

The undersigned **installer** attests that the above statement is true and that a copy of this document was received.

Name: _____

Organization: _____

Signature: _____

Date: _____

The undersigned **observer** attests that the above statement is true and that a copy of this document was received.

Name: _____

Organization: _____

Signature: _____

Date: _____