

Functional Optical Imaging System

LABNIRS

Installation Requirements Manual
(Installation Preparations and Checklist)

 **SHIMADZU CORPORATION**
ANALYTICAL & MEASURING INSTRUMENTS DIVISION

1. INTRODUCTION

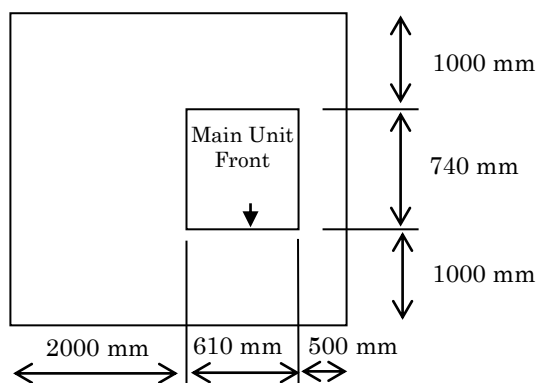
This document describes the preparations need to be performed by the customer in advance of installation of LABNIRS in order that the installation process can be accomplished smoothly. Thoroughly read this document before preparing the installation site and auxiliary equipment. If you have any questions, please contact your Shimadzu representative.

2. INSTALLATION SITE CONDITIONS

Installation site requirement are as indicated in the instruction manual (and copied below).

- (1) Do not install the system in a location with high dust levels or corrosive gases (such as chlorine, hydrochloric acid gas, hydrogen sulfide, sulfur dioxide gas, fluorine gas, ammonia gas, etc.).
- (2) Install the system in a location with an ambient temperature range of 15 to 30 °C, relative humidity range of 45 to 85 %, and temperature gradients of 5 °C or less.
- (3) To prevent condensation, if the instrument is cold (5 °C or less), avoid moving it suddenly into a warm room with high humidity for installation.
- (4) Do not install the system in a location exposed to strong or continuous vibrations (such as near a machine room or compressor).
- (5) Locate the system away from magnetic or electrical fields and electrical equipment that emits high frequencies (such as large speakers or refrigerators).
- (6) Do not install the system where it is exposed to direct air flow, such as from an air conditioner.
- (7) Do not install the system where it is exposed to direct sunlight.
- (8) Install it in a stable location capable of supporting 230 kg. Install the system on a flat site where the weight is distributed evenly to all four legs.
- (9) Provide at least 10 cm of space between the wall and back of the main unit and sides. In particular, do not place objects near the fan.
- (10) Install the system where a 100/110/120 V AC (or 200/220/230/240 V AC for Europe), 50/60 Hz power supply (with max. 1.5 kVA power and max. voltage fluctuation range of ± 10 %) is available and that is fully grounded via a 3-prong power outlet. Make sure the power switch is OFF before connecting the power cord to the power supply.
- (11) Always install the system with the casters locked.

The following space is required for unpacking.



3. PRELIMINARY CHECKLIST

To:

Send to:

The following is a checklist of items described above.

Please fill in yourselves and hand them to your Shimadzu representative.

Your name:

Address:

Telephone No:

Item		Description	Check
1.Installation Space	Space for unpacking	Width: at least 3110 mm Depth: at least 2740 mm Height: at least 3000 mm	
	Space for installation	Width: at least 610 mm Depth: at least 1000 mm Height: at least 1600 mm 100 mm clearance between the wall and back 100 mm clearance between the wall and side panels	
	Weight	Flat site to support the instrument weighing 230 kg.	
2.Installation Site Conditions	Temperature	15 to 30 °C	
	Temperature gradients	5 °C or less	
	Relative humidity	45 to 85 %RH	
	Altitude	-50 to 2000 m	
	Others	Free of corrosive gas Free of dust and dirt Free of vibration Away from magnetic or electrical fields and electrical equipment that emit high frequencies Not subject to direct air flow or sunlight	
3.Power Supply Facilities	Power-supply voltage	100-120/220-240 V \pm 10%	
	Frequency	50/60 Hz	
	Power (VA)	1.5 kVA maximum	
4.Grounding		Via 3-prong power outlet	