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| SOP 174/02 | Installation Environment Specification | | |
| Page 1 of 2 | Product: Linomat 5 | | |
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Purpose of this document: To ensure that all key aspects of the installation adhere to the manufacturer's recommendations, codes, safety parameters and design parameters.

Responsibility: Customer or CAMAG Approved Product Specialist or Service Engineer.

1 Introduction

This document describes the laboratory environment necessary for the Linomat 5, which has to be available at installation to ensure reliable operation of the instrument.

2 Installation environment

The place for installation should meet the following requirements:

Bench space Width 360mm
 Depth 510mm (add space for cables approx. 100mm)
 Height 410mm
 Weight 12.5kg

** Add adequate space for a PC next to the instrument*

Operating temperature The temperature should be within a range of 18 to 35 degrees centigrade and free from significant variations.

Humidity Humidity and temperature conditions must not cause condensation.

Atmospheric conditions Adequate ventilation free from acidic, alkaline or other gas that may corrode metal or painted surfaces must be secured.

Further requirements:

- Do not place the instrument in a location where the temperature significantly changes (e.g. under an air conditioning duct or by a window). Significant changes in temperature will affect the performance of the unit.
- Do not place the instrument in direct sunlight. Direct sunlight may create significant temperature changes which will affect the performance of the system.

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- Do not use the instrument in an environment with moving ambient air (draft).
- Do not expose the instrument to any strong vibration or shock.
- Avoid placing the instrument near equipment that radiates heat. Do not place the instrument near gas burners, electric heaters or ovens.
- Do not place the instrument near equipment that generates intense magnetic fields such as electric welding equipment, high frequency furnaces, pole transformers, etc.
- Protect the instrument from excessive dust.
- Connect the instrument to power lines that are free from sudden changes or voltage fluctuations.
- If you must use power motor driven equipment (such as a stirrer or shaker) in the same line as your instrument, ensure that a noise reduction unit is in the same power line

2.1 Conditions for the installation

Confirm that the following requirements exist before installing the instrument:

Power supply and ground

Line voltage: 100 – 240VAC (see rating plate on instrument).

The instrument is equipped with a switched power supply, working properly if AC line voltage is between 100 and 240V.

Frequency: 50 / 60 Hz

Power capacity: 20 W

Ground terminal: A grounded outlet should be within 2 meters of the instrument.

Gas supply

N2 or Required pressure 4 - 6 bar (58 -87 psi)

compressed air Gas consumption 1 L/min