

SOP 183/02	Installation Environment Specification	
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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 Reprostar 3, 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

Depth	without column	515 mm
	with standard repro column	540 mm
	with MP-4 repro column	670 mm
Width	470 mm	
Height	with cabinet cover	370 mm
	with camera stand	850 mm
	with standard repro column	930 mm
	with MP-4 repro column	1060 mm
Weight without repro column	without cabinet cover	16 kg
	with cabinet cover	21 kg

Operating temperature: The temperature should be within a range of 15 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.

Other requirements:

- Do not place the instrument in direct sunlight. Direct sunlight may create significant temperature changes which will affect the per-

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formance of the system. Direct sunlight may discolor the instrument paint surfaces.

- 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 vibrator) 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 terminal

- Line voltage: 90-130V or 180-265V AC (rating plate on the instrument shows 110V for first and 230V for second range). Fluctuation should be within the voltage range specified.
- Frequency: 50 or 60 Hz
- Power capacity: 80 VA (max.)
- Ground terminal: A grounded outlet should be within 2 meters of the instrument.