

SOP 197/03	Installation Environment Specification	
Page 1 of 3	Product: DigiStore 2 with winCATS	
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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 Certified Product Specialist or Service Engineer.


Introduction

This document describes the environment necessary for the DigiStore 2 system consisting of a Reprostar 3 in combination with a DXA-252 Digital Camera with winCATS, and which has to be available at installation to ensure reliable operation of the instrument.


Installation environment

The performance of all parts is impaired by dust, corrosive vapors, shocks and vibrations. The place for installation depends on your current illumination unit. In case of the CAMAG Reprostar 3 the place should meet the following requirements:

Depth	515 mm
Width	470 mm
Height	690 mm (with digital camera cover)

 *Add adequate space for PC, printer and other peripheral equipment (if applicable) next to the Illumination unit.*

Weight	Approx. 24 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.

 *Only the CAMAG Reprostar 3 can be used as illumination unit!*

SOP 197/03	Installation Environment Specification	
Page 2 of 3	Product: DigiStore 2 with winCATS	


Other requirements:

- Do not place the equipment in a location where the temperature undergoes significant changes (e.g. under an air conditioning duct or by a window). Significant changes in temperature will affect the performance of the instruments.
- Do not place the equipment in direct sunlight. Direct sunlight may create significant temperature changes which will affect the performance of the system. Direct sunlight may discolor the instruments paint surfaces.
- Do not expose the equipment 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. Voltage fluctuations will increase detector noise.
- 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

SOP 197/03	Installation Environment Specification	
Page 3 of 3	Product: DigiStore 2 with winCATS	

Conditions for the installation

Confirm that the following requirements exist before installing the instrument:

Power supply and ground terminal	
Line voltage:	According to the indications on the rating plate of each instrument. Fluctuation should be within the voltage range specified.
Frequency:	50 or 60 Hz
Power capacity:	Reprostar 3: 80 VA max DXA252 Camera: 8 VA max. powered via FireWire®
	Add adequate power for PC, printer and other peripheral equipment (if applicable)
Ground terminal:	A grounded outlet should be within 2 meters of the instrument.

For the PC specifications required for DigiStore 2, check SOP 242 “winCATS Environment Specification”: