

Facility Requirements

ImageMaster[®]HR

This document describes the conditions that must be met for the safe and reliable operation of the measurement system.



CAUTION!

Personal injury or property damage

- Installation, initial startup, operation and disposal of the system may cause or be associated with mechanical, electrical and thermal hazards.
- Read the included operator's manual carefully before you start working with the measurement system. Pay attention to the safety instructions.



Fig. 1

Dimensions of the measurement system

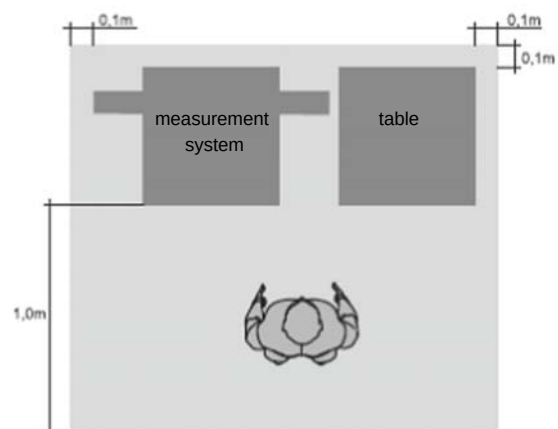
Height	approx. 2000 mm
Width	approx. 1200 mm / 2200 mm
Depth	approx. 600 mm
Weight	approx. 150 kg

Dimensions of table

Height	approx. 775 mm
Width	approx. 700 mm
Depth	approx. 590 mm
Weight	approx. 40 kg

Required space

Height	2500 mm
Width	Upgrade FIN 1 m: 2200 mm
	Upgrade FIN 2 m: 3200 mm
Depth	1760 mm



Distance between the measurementsystem and table

Std. HR	400 mm
Upgrade 300 mm Colli	600 mm
Upgrade 500 mm Colli	800 mm
Upgrade FIN 1 m	400 mm
Upgrade FIN 2 m	900 mm

Electrical connection

Euro SCHUKO (CEE 7/4)
(regional adapter included)

Electrical power consumption

Voltage	220 to 250 VAC, 50 to 60 Hz
Current	5 A
Power	1300 W (proper grounding required)

Voltage	100 to 130 VAC, 50 to 60 Hz
Current	10 A
Power	1300 W (proper grounding required)

Storage

Temperature	-30 to +60 °C
Humidity	<65 %

During operation

Temperature	20 °C +/- 5 °C
Humidity	<65 %
Heat dissipation	max. 4436 BTU/h

Set-up location

We recommend a stable, non-vibrating surface in order to ensure highly accurate and reliable measurements. The surface should meet the "Operating Theatre" (ISO) vibration criteria.

Max. level ⁽¹⁾	4000 (72) micro-in./ sec. (dB)
Detail size ⁽²⁾	25 microns

The information given in this table is for guidance only. In most instances, it is recommended that the advice of someone knowledgeable about applications and vibration requirements of the equipment and process be sought.

(1) As measured in one-third octave bands of frequency over the frequency range 8 to 100 Hz. The dB scale is referenced to 1 micro-in./sec.

(2) The detail size refers to the line widths for microelectronics fabrication, the particle (cell) size for medical and pharmaceutical research, etc. The values given take into account the observation that the vibration requirements of many items depend upon the detail size of the process.

Statutory provisions and standards

- Machinery Directive 2006/42/EC
- Low Voltage Directive 2006/95/EC
- EMC Directive 2004/108/EC

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