

Datasheet

MMDx



FIELD OF VIEW

	MMDx50	MMDx100	MMDx200
Range (mm)	50	100	150
Start measuring range (mm)	95	100	110
Stripe width far edge (mm)	50	100	200
Stripe width near edge (mm)	40	65	115
Point spacing far edge (mm)	0.050	0.100	0.200
Point spacing near edge (mm)	0.040	0.065	0.115
Max. points / stripe	1000		
Min. points / stripe	500		

ACCURACY

	Sensor accuracy 1 σ (μ m)
MMDx50	7
MMDx100	10
MMDx200	16

The sensor accuracy of the MMDx laser scanners is determined based on scan data measured on a precision plane artefact, using a coordinate machine as localiser.

DATA RATE

Data rate at max. Field Of View:

MMDx50 / MMDx100: 50 stripes/sec

MMDx200: 60 stripes/sec

Data rate at reduced Field Of View:

MMDx50 / MMDx100 / MMDx200: 150 stripes/sec

FIRMWARE

On-board calibration map: YES

In the field upgradeable firmware: YES

Boot-up time: 14 sec.

WEIGHT AND DIMENSIONS

Sensor weight: 400 gr.

Dimensions: 180mm x 75mm x 138mm

LASER SAFETY

Laser class: 2

Stripe Laser

AEL (Accessible Emission Limit) :

MMDx 50: 5.47 mW

MMDx100: 5.25 mW

MMDx200: 5.25 mW

Diode wavelength: 660 nm

Range finder laser

AEL (Accessible Emission Limit) :

MMDx 50: 1 mW

MMDx100: 1 mW

MMDx200: 1 mW

Diode wavelength: 635 nm

COMPLIANCY

The Modelmaker MMDx laser scanners comply with the following standards:

- EMC
- CE

LOCALISER COMPATIBILITY

The Modelmaker MMDx scanners are compatible with the following localisers:

- MCA 7 axis (v2.2 and v2.5)
- MCA II 7 axis
- K-Series K600 and K610
- Romer/Cimcore 7 axis Infinite 1.0
- Romer/Cimcore 7 axis Infinite 2.0
- Faro Titanium/Platinum/Fusion

Note: please check the system requirements of the MMDx driver software (Handheld API) to find out the required versions of the localizer drivers.



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