

ScanMeg

Type MD



Light-curtain scanner

12.5 mm Accuracy 1/2 in.

- Simple alignment
- Watertight casing
- Up to 4000 scans/sec.
- LED detection status for each cell
- Photocell mode (module PM-P)
- Scanner mode (module PM-S or PM-A)
- Programmable personality module

Model
MD
MD-EX

Length

8 in.	20 cm
16 in.	40 cm
24 in.	60 cm
⋮	⋮
104 in.	260 cm
112 in.	280 cm
120 in.	300 cm

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Minimum Object

0.5 in.	12.5 mm
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Power Supply

12 to 24 Volts DC

Operating Temperature

Min.:	-40°F	-40°C
Max.:	120°F	50°C

Current Consumption

MD24:	370 mA
MD40:	490 mA

Detection Range

MD:	20 ft	6 m
MD-EX:	12 ft	4 m

Maximum Scan rate (scans/sec.)

MD24:	1333
MD40:	800

Output Interface

Module PM-A
Module PM-S
Module PM-P

The MD scanner provides information on any object passing through its field of view. When purchasing the scanner, the customer may choose one of three personality modules.

The personality module dictates the scanning mode of the MD unit. The unit can be used in a Photocell mode or a scanning mode with a resolution of ½ inch or 1 inch. For an even greater operating flexibility many personality modules can be connected together to the same MD scanner.

MD Model

The MD scanner detects and measures objects. Three personality modules, PM-S, PM-A and PM-P easily interface with the MD scanner. By choosing the type and the number of modules one can easily obtain the position and dimension of an object. Several modules can be used together with the same MD scanner.

MD-EX Model

The MD-EX model offers the same characteristics as the basic model with the exception of the detection range. However, a special optical filter is present to increase immunity to ambient light to facilitate outdoor application.

- Optical reduction of conveyor reflection (MD-EX model)
- Cell enable/disable capability
- Auto-calibration for ambient light

PM-A Module



The PM-A module gives the MD scanner a 4-20 mA analog output. This module shows on its analog output the value of either diameter or position of an object according to the configuration selector.

PM-S Module



The PM-S module gives the MD scanner a RS-422 serial link. Positions and dimensions of detected objects are found and sent on the serial link. Parameters values are selected using the serial link.

PM-P Module



The PM-P module indicates, on its (NPN or PNP) open collector output, the presence of an object. With this module the MD scanner is essentially a light-curtain photocell.

REM I/O Module



The REM I/O module displays the status of each sensor cell of the PROX scanner. Each cell present in the scanner is associated to one L.E.D. on the REM I/O module to display its status. The REM I/O module has a maximum of 64 NPN outputs for connection to a PLC (Programmable Logic controller).

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