SCANMEG

Type MD

Light-curtain scanner

- 🔸 **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
STD
EX
LR

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

IR C-004 En

Left column specifications

Model
STD
EX
LR

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

Minimum Object
0.5 in.   12.5 mm

Power Supply
24 Volts DC

Operating Temperature
Min.:   -40ºF   -40ºC
Max.:   120ºF   50ºC

Current Consumption
MD24:   370 mA
MD40:   490 mA

Detection Range
STD: 20 ft   6 m
EX: 50 ft   15 m
LR: 80 ft   25 m

Maximum Scan rate (scans/sec.)
MD24:   1333
MD40:   800

Ouput interface
MODULE PM-A
MODULE PM-S
MODULE PM-P
MODULE REM I/O

The MD scanner provides information on any object passing through its field of view. The MD scanner detects and measures objects. The unit can be used in a Photocell mode and a Scanning mode all in one with a resolution of 1/2 inch (12.5 mm). One can easily obtain the position and dimension of an object up to 80 foot range (25 m).

Type MD-STD

The MD scanner detects and measures objects. Three personality modules, PM-S, PM-A and PM-P easily interface with the MD scanner or one can use a REM I/O module. 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.

Type MD-EX and Type MD-LR

The MD-EX model offers the same characteristics as the MD-LR 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. The MD-LR model can detect up to 80 ft (25 m).

- 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.

REM I/O Module

The REM I/O module displays the status of each sensor cell of the MD 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).

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.

SCANMEG

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