SCANMEG

Type PROX

1 in.

Accuracy

25 mm

Area PROXIMITY scanner

- ● **Watertight casing**
- ● **Up to 3500 scans/sec.**
- ● **LED detection status for each cell**
- ● **A single cable connects the Area PROX**
- ● **SIM-PROX or REM I/O avaolable**
- ● **Programmable Truth Table (REM I/O)**

Model
PROX

Length	
8 in.	20 cm
16 in.	40 cm
24 in.	60 cm
32 in.	80 cm
40 in.	100 cm
48 in.	120 cm
56 in.	140 cm
64 in.	160 cm

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Minimum Object
1 in. 2.5mm

Power supply
12 to 24 Volts DC

Operating temperature
Min.: 14ºF -10ºC
Max.: 120ºF 50ºC

Maximum Consumption
PROX-8   320 mA
PROX-32   470 mA
PROX-64   670 mA

Detection range
18 in.   45 cm

Maximum Scan rate (scans/sec.)
PROX-8:   4000
PROX-32:   1200
PROX-64:   575

Output Interface
REM I/O: NPN, 4-20 mA
SIM-PROX: NPN, PNP, 4-20 mA, RS232

Gone is the time when one needed several photocells for a singulator infeed. Connect an Area PROX of a suitable length to the rail mounted Remote I/O controller. Now at every inch, the status of each and every cell along the length of the Area PROX Scanner is displayed. Only one cable connects the Area PROX to the SIM-PROX or REM I/O module. Ideally suitable for a singulator infeed.

PROX Model

The PROX scanner detects objects from its refected light. Each sensor cell of this scanner is made of one emitter and one receiver. The receiver cell detects reflected light when its emitter cell is lighted up. A single cable (6 wires) connects the Area PROX to the SIM-PROX or REM I/O to transfer the status of each cell; reducing tremendously the number of cables needed in a standard multiple proximity photocells installation. All interconnections are done at the junction box near the control panel. A very simple truth table implemented in the REM I/O module allows one to reduce the number of outputs by associating as many cells as needed on any given NPN output. SIM-PROX module offers a very easy interface and a serial link.

Module REM I/O

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

A truth table links each cell of the scanner to any of the 64 NPN outputs available on the REM I/O module. Each output represents the status of one cell or the status of a number of cells. Each output is programmable independently from one another.

Sensor Interface Module SIM-PROX

Using a rail-mount SIM module, with its unique display and function settings, one can modify in real time Scan Rate, Emitter intensity, Bar Graph, Minimun detectable size, Latch time, Debounce time, etc...to tailor the parameters to fit the specific application without the need of a computer or special interface equipment.

SCANMEG

3517 Boul. Grande Allee,
Boisbriand, QC
Canada, J7H 1H5
Tel.: (450) 419-4555
Fax: (450) 419-4542
Email: sales@scanmeg.com
Web: www.scanmeg.com

The Ultimate Sensor Company

North America
(Western Representative)
John Wilby
10972 Swan Crescent
Surrey, BC, V3R 5B6
Tel.:   604-582-2157
Fax: 604-582-2105
Cell.: 604-290-6595
Email: jwilby@scanmeg.com

Europe
82 Route de Séchex
F-74200 ANTHY-SUR-LEMAN
France
Tel. / Fax: +33 (0)4 50 17 25 33
Cell: +33 (0)6 31 54 38 06
Email: europe@scanmeg.com

Japan
532 Ohyanagi Minami Shimada-City
Shizuoka-Prefecture
Japan, 427-0102
Tel.: +81-547-38-3211
Fax: +81-547-38-2122
Email: info@hirotacorp.jp