

# MHRS-A

## MHRS-A Modulated High Speed Retro-reflective Sensor

### Applications

- Tachometer
- Quality Control
- Size Control and Sorting
- Direct Input to Counters
- Direct Input to Programmable Controllers



### Description

The MHRS-A will function at up to 30,000 operations per second in the retro-reflective mode at a distance of 6 feet. The "coaxibeam" sensing system does not require a sensitivity control nor does it have blind spots and false triggering experienced with dual beam sensors.

### Features

Proprietary "Coaxibeam" optical design  
Very high speed sensing  
Lower Power Consumption  
Needs no sensitivity control  
Narrow Beam  
Modulated infrared beam  
LED Output Indicator  
Complimentary Outputs  
Stainless Steel Case  
Precision Glass Lens  
Unique sensor packaging and Mounting

### Specifications

Input Voltage: 12 to 28 VDC  
Input Current: less than 50 MA at 28 VDC  
Input Status: LED Indicator

### Benefits

- Requires no sensitivity adjustments, EVER!!
- Allows modulated Photoelectric Sensing to be used in applications previously too fast for conventional sensors.
- Allows sensors to be powered by your existing equipment i.e counters programmable controllers.
- Allows accurate first time set up.
- Improved sensing repeatability.
- Provides high ambient light immunity and increased reliability over conventional sensors.
- Aids alignment.
- Requires no light/dark switches. Output can be wired or led to perform simple logic functions.
- Durable, corrosion resistant.
- Resists abrasion & solvents.
- Permits use of sensor areas inaccessible to competitive units.



# MHRS-A

## Range

2' with ½ inch diameter Retroreflector

4' with 1 and ¼ inch diameter Retroreflector

8' with 3 inch diameter Retroreflector

Separates ½ inch diameter Retroreflector on  
1 inch centers at 18 inches.

Note: All sensing is done at speeds up to  
30,000 operations a second.

Mount: The M-1 bracket is used to provide  
sensor mounting adjustment in both the  
horizontal and vertical planes.

