

# EGG COUNTERS

*4 inch optical egg counter*

## Applications

The IR4 is an infrared electronic egg sensor which accurately counts eggs in any arrangement on a rod or belt conveyor. Spanning 4 inches, the sensor can count up to 3 eggs abreast. A sealed design allows the sensor to operate in harsh poultry house conditions, even during wash down. The sensor uses infrared light to detect eggs without touching them.



## Features

The use of infrared technology means the eggs are counted without being touched. This eliminates the risk of damage and/or soiling. As the electronics are sealed, the counter can be left in place in the poultry house even during cleaning

- Highly accurate
- No separation required
- Environmentally sealed
- Solid state
- Low operating current
- Compact size
- Excellent background suppression
- Applicable to individual egg belts or cross conveyor



## Physical Dimensions

Dimension	Inches	cm
Length	4.875	12.383
Width	1.750	4.445
Height	1.000	2.540
Mounting Holes		
Center to Center	4.500	11.430
Diameter	0.187	0.475

## Cable (3 - conductor 22 AWG, PVC jacket)

Color	Name	Description
Red	Vin	Power Supply In
Black	Gnd	Supply Ground
White	Out1	NPN output

## Electrical Characteristics

Parameter	Min	Typical	Max	Units	Notes
Vin (Power Supply In)					
Input Voltage	9		25	VDC	
Input Current	16	20	30	mA	Vin = 18VDC
Input Capacitance			50	uF	
Out1 (NPN Open Collector)					
Sink Current (Iout)	1		300	mA	
Output Low Voltage (Vout)	0.7	0.9	1.0	VDC	Iout = 10mA
	2.0	2.2	2.5	VDC	Iout = 100mA
Pulse Width	1.66	150	425	mS	Factory adjustable



## Egg Counters are part of PMSI Integrated Solutions



### ENVIRONMENTAL CONTROL

- Control and monitor every aspect of your environment
- Maximize your feed conversions with feed scales which interface with **CIH** hardware

### EGG FLOW CONTROL

- Egg counting and flow control
- Verification of cross conveyor operations

### HACCP MONITORING AND CONTROL

- Cooler, Rinse water, Wash water temperatures
- Chlorine, PH levels



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