IR.20 Egg counters	**A4240005**
IR.30 Egg counters	**A4240006**
IR.40 Egg counters	**A4240007**
IR.50 Egg counters	**A4240008**
IR.60 Egg counters	**A4240009**

Contents

Applications

The IR.20 thru IR.60 are infrared egg counters which can be connected to an egg counting computer or climate computer. Combined with a power supply and a readout function the counters can also be used as stand alone units.

These counters can be used to count eggs on egg belts from laying nests but can also be used on collection belts and conveyors. The egg counters are suitable for egg/collection belts of maximum 20, 30, 40, 50 and 60 cm width.

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 into the counter it can be left in place in the poultry house even during cleaning.
- Highly accurate
- Low energy consumption
- Compact model
- Uninfluenced by other objects. It will not mistake the rods on the collection belt for eggs.
- No need to separate eggs
- Speed of egg/collection belt can be controlled from 0 to 15 metres per minute
- A special power supply for the counter with a readout means the number of eggs can be readout out directly on the power supply display.

Technical specifications

Power supply		
Input voltage		9-25Vdc
Input current (V_{in}=18Vdc)	IR.20	40mA
	IR.30	60mA
	IR.40	80mA
	IR.50	100mA
	IR.60	120mA
Output		NPN open collector
	1 egg/pulse	15ms duty cycle
	10 eggs/pulse	150ms duty cycle
Housing		
Plastic housing protection class		IP54
Dimension (l×w×h)	IR.20	230×50×31mm
	IR.30	330×50×31mm
	IR.40	430×50×31mm
	IR.50	530×50×31mm
	IR.60	630×50×31mm
Weight (unpacked)	IR.20	450g
	IR.30	600g
	IR.40	750g
	IR.50	900g
	IR.60	1050g
Ambient climate		
Operating temperature range		0°C to +40°C
Storage temperature range		-10°C to +50°C
Relative humidity		<95%, uncondensed