

# SMART

# BAG COUNTER (MODEL BC-O)

**SMART BAG COUNTER** is an automatic instrument used for the exact counting of bags passing over the conveyor belt/loader unit, it is dual optical sensor based bag counter unit fitted beside the conveyer or loader of the loading unit.

It is designed for display of number of bags loaded in the truck or wagon by truck loader or wagon loader, with predefined counters to generate predefined signals after the counter figure is exceeded or attained non ohmic contact output is available for connecting external control devices.

The instrument has single chip microcontroller, smps based power supply unit, switches for counters(UP ,DOWN, MENU & RESET SWITCHES), large seven segment display unit for showing counts, precise counting, high speed, durability and is applicable for reminding the quantity for loading the vehicle. By using **DUAL OPTICAL BASED SENSORES** instead of conventional **SINGLE** sensors gives better, precise & prompt readings with metallic body enclosure for longer life in dusty and rough industrial atmosphere.



## WORKING DETAILS:-

2 PAIR optical sensors are fitted besides the conveyer or loader from where the reading is required; when the bag passes between the sensors **line of sight** it gives output thus increasing the count in the display unit.

The display unit has four SEVEN SEGMENT display to show readings from 0-9999 & visible from long distance which can be set to any predefined count using the setting switches, when the reading reaches or exceeds the predefined count non-ohmic contact output is available for connecting external control devices like alarm, auto shut off unit, etc.

## FEATURES:-

- Operating on 85- 250 V AC.
- SMPS based power supply unit.
- 4" Seven segment large display unit.
- MENU, UP, DOWN & RESET Switches.
- Precise counting, high speed and durable.
- Available for single bag counting, continuous bag counting (0-9999) and batch counting.
- Intelligent to identify continuous bags with "dual sensor technology".
- Weatherproof design for dusty and rough industrial atmospheres.
- Elegant in appearance, rugged & firm in construction.
- When the counting number reaches the set value, it will give a potential free contact at ACC CONTACT PORT & continue the counting till it is re-setted manually.

## APPLICATIONS: -

- \* Cement Plants. \* Chemical Plants. \* Spinning Yarns \* Fertilizer Plants. \* Sugar Mills.
- \* ANY LARGE AND MEDIUM SCALE INDUSTRIAL UNITS.

## TECHNICAL SPECIFICATIONS

### BAG COUNTER (MODEL BC-O) :-

#### Electrical performance: -

Power Source	85 volts -250 V AC.
Power Supply	SMPS BASED.
Power consumption	20 Watts.
Count input mode	DUAL OPTICAL SENSOR BASED
Working model	accumulative counting (0-9999)
Identification of continuous bags	1-2 bags
Reset mode	manual reset.
Output contact	normally open.

#### Environmental: -

Temperature	0 to +60 C.
Humidity	0 to 95% Rh non-condensing.
Enclosure	Dust proof type.

#### Mechanical: -

Body	18 SWG steel POWDER COATED
Dimension	470 X 200 X 80
Surface Finish	Powder coated.
Net weight	2.5 kgs.
Standard mounting	Vertical/WALL TYPE

**INDUSTRIAL AUTOMATION SIMPLIFIED.**

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“(Specifications and description subjected to change without prior notice)”