

# SMART

# BAG COUNTER (MODEL – BC-L- 03)

**SMART BAG COUNTER UNIT** is an automatic instrument used for the exact counting of bags, it has a sensing head attachment fitted on the spiral chute/conveyer or loader of the loading unit. The Second display line can show total count or Any Alpha Numeric message as may be required.



The **SMART BAG COUNTER** is designed for display of number of bags loaded in the truck or wagon by respective loaders, with Programmable counters to generate predefined signals after the counter Figure is attained, non ohmic contact output is available for connecting external control devices.

The instrument is Microcontroller based, SWITCH MODE POWER SUPPLY UNIT (SMPS), KEYPAD for programming & Counter setting & resetting, LED display unit for displaying running COUNT. Use of HIGHLY DURABLE SENSING HEAD instead of conventional optical sensors & proximity switches gives better results, longer.

The unit comes with 3LINE RED LED display:-

- a) Six digit LED display of 3.5" showing running COUNTER readings from 0-999999.
- b) Ten digit LED display of 1.5" showing TOTALISER / TRUCK / WAGON NO from A-Z, 0-9999999999.
- c) Four digit LED display of 1.5" showing SET/RESET counts while programming.

All the displays are visible from long distance, when the reading reaches or exceeds the predefined count non-ohmic contact output is available for connecting external control devices like alarm, power down, count saving, computer interface, etc.

### Features:

- Precise counting, high speed, durable & Intelligent to identify continuous bags
- Applicable for single bag counting, continuous bag counting and batch counting.
- Operating on 110 -220 V AC SMPS based power supply unit.
- Retrieve Last 50 Batch Count.
- Pre alarm (last 10 counts to go)
- External ACCESSORY relay contacts
- Power down count saving
- 6 digit LED 6 x 3.5" Count display.
- 10 digit LED 10 x 1.5" Totaliser / Truck/ Wagon No display.
- 4 digit LED 4 x 1.5" set / preset count display.
- Programming keypad
- Ethernet ready.
- Wireless connectivity (optional).
- Weatherproof design for dusty and rough industrial atmospheres.
- Elegant in appearance, rugged & firm in construction.
- Batch counting: available for setting and displaying the number of single bags (0-999999);
- When the number reaches the set value, a predefined signal can be generated to activate alarm or a signal can be provided for switching the control signals to stop the conveyer/loader (designed as per requirement).
- On reaching the set count value, counter can be reset automatically or manually.

## **TECHNICAL SPECIFICATONS**

### **BAG COUNTER & DISPLAY UNIT (MODEL BC-L- 03) :-**

#### **Electrical performance: -**

Power Source	110 volts -220 V AC.
Power Supply	SMPS .
Power consumption	10 Watts.
Count input mode	Sensing Head
Working model	Accumulative counting (0-9999999999)
Display	COUNTER(0-999999) SET/RESET(0-9999)
Programming Keypad (4 X 3)	0-9 CR (counter reset) TR (totaliser reset) ← (enter)
Reset mode	Manual reset.
Output contact	Normally open and closed.

#### **Environmental: -**

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

#### **Mechanical: -**

Body	18 SWG steel.
Dimension	770 X 255 X 160
Surface Finish	Powder coated.
Net weight	3 kgs.
Standard mounting	WALL MOUNTING

**INDUSTRIAL AUTOMATION SIMPLIFIED.**

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