

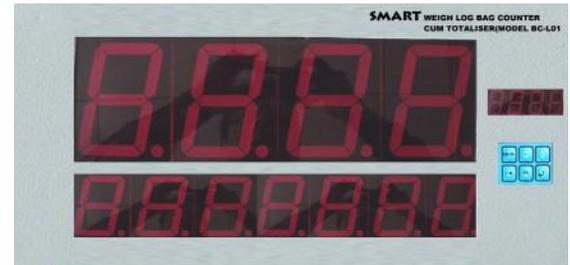
# SMART

## BAG COUNTER

### CUM TOTALIZER (MODEL BC-L03)

**SMART BAG COUNTER CUM TOTALIZER UNIT** is a 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 **SMART COUNTER CUM TOTALIZER UNIT** 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 single Microcontroller based, SWITCH MODE POWER SUPPLY UNIT ( SMPS ), KEYPAD for programming & counter setting & resetting, seven segment display unit for displaying running COUNT, TOTALISER, SET/PRESET COUNT. Use of HIGHLY DURABLE SENSING which gives better results, longer life in dusty and rough industrial atmosphere.

#### Features:

- **Precise counting, high speed, durable & Intelligent to identify continuous bags**
- Circuitry Protection against reverse polarity and transient voltages of sensor
- Applicable for single bag counting, continuous bag counting and batch counting.
- Operating on 85-220 V AC SMPS based power supply unit.
- Sensing head attachment
- Pre defined 12 count programs
- Pre alarm ( last 10 counts to go )
- External ACCESSORY relay contacts
- Power down count saving
- 4 digit seven segment 4 x 4" count display.
- 7 digit seven segment 7 x 2.3" totaliser display.
- 4 digit seven segment 4 x 1" set / preset count display.
- Programming keypad with menu, +,-,counter reset, totaliser reset & enter keys
- Computer connectivity with operating software ; -windows based ( optional )
- **Sensor Head salient features:-**
  - Non Contact type
  - Non capacitive
  - Non inductive
  - Non ohmic
  - Easy to install, replace & shift.
  - Operates on 10 to 30V dc supply voltage
  - Detects clear & even transparent material with color variations
  - Offers wide operating range -20° to 60° C & compensates for variation in air temp
  - Construction of sensor: ABS Weatherproof enclosure with Environmental Ratings of IEC IP67; NEMA 6P, or IEC IP68; NEMA 6P
  - Gives high accuracy in even wet, dusty and rough industrial atmospheres.
- long loop supported repeater stations operating on 85-220 V AC suitable for remote located stand alone pc
- Elegant in appearance, rugged & firm in construction.
- Batch counting: available for setting and displaying the number of single bags (0-9999); 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 SPECIFICATIONS

### BAG COUNTER & DISPLAY UNIT (MODEL BC-L03) :-

#### Electrical performance: -

Power Source	85 volts -240 V AC.
Power Supply	SMPS .
Power consumption	3 Watts.
Count input mode	Sensing Head
Working model	Accumulative counting (0-9999)
Display	COUNTER(0-9999) TOTALISER(0-9999999) SET/RESET(0-9999)
Programming Keypad(2 X 3)	MENU + (up) - (down) CR (counter reset) TR (totaliser reset) ← (enter)
Reset mode	manual/automatic 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	570 X 300 X 120
Surface Finish	Powder coated.
Net weight	2.8 kgs.
Standard mounting	WALL MOUNTING

**INDUSTRIAL AUTOMATION SIMPLIFIED.**

**VOIZLINK .**

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