SMART

SMART WEIGH LOG 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/packer idler or loader of the loading unit

The **SMART** WEIGH LOG BAG 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 HEAD instead of conventional optical sensors & proximity switches gives better results, longer life in dusty (CEMENT INDUSTRY) and rough industrial atmosphere.

The unit comes with 2 display:-
  a) Five SEVEN SEGMENT display of 4" showing SET/RESET counts while programming
     Running COUNTER readings from 0-99999.
  b) Seven SEVEN SEGMENT display of 2.3" showing TOTALISER readings from 0-9999999.

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 85-220 V AC SMPS based power supply unit.
- Sensing head attachment
- Pre defined 50 count programs
- Pre alarm (last 10 counts to go)
- External ACCESSORY relay contacts
- Power down count saving
- 5 digit seven segment 5 x 4" count display.
- 7 digit seven segment 7 x 2.3" totaliser display.
- Programming Num keypad with program menu, counter reset, totaliser reset & enter keys
- Computer connectivity with operating software;-windows based (optional)
- Long loop supported repeater stations operating on 85-220 V AC suitable for remote located stand alone pc
- 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 (0-99999); 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 by manually or automatically.

TECHNICAL SPECIFICATIONS

BAG COUNTER & DISPLAY UNIT (MODEL BC-L02):-

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 (0-99999)
Display	COUNTER & SET/RESET (0-99999). TOTALISER (0-9999999)
Programming Keypad (4 x 4)	P-PROGRAM
	CR (counter reset)
	TR (totaliser reset)
	E - (enter)
	B 1 & B2 – unused
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.

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"(Specifications and description subjected to change without prior notice)"