



3 Bin Indicator

“Three Bin Indicator” is an indicator suitable for connecting three weighing platforms for recipe preparation. Suitability of “Three Bin Indicator” at any construction site is assured by its robust nature against vibration & heavy dusty environment.

Hardware Features

- Three load cell ports for connecting separate bins/hoppers
- Fourteen key front mount keyboard for settings
- Four 7 segment 4 digit LED display to show bin weights, water
- Four Relay Outputs:
 - Indication/Alarm of set point achieved on respective weigh bins
 - Relay for timer based control of water feed
- Four indication LEDs for bin 1, bin 2 , bin3 & water
- 230 V AC operated

Software Features

- Three step calibration, separate for each bin
- Weight controlling features like auto zero tracking, weight tracking etc.
- Set points field programmable for each bin
- Relay activation on achieving set point
- LED indication for relay status
- Calibration of water according to litre value and time
- LCD model also available

Applications:

Specification

Processor	8051 derivative
Processor Clock	18 MHz.
Power Supply	SMPS type EMI/RFI filter with spike suppressor
Input	3 loadcell ports provided to connect 3 separate weigh hopper/bins, where each of them can be connected with more than one loadcells
Output	4 number relays (Potential free contacts)
Keypad	14-key front mount keypad for data & Function entries.
A/D Converter	Sigma Delta type 24 BIT ADC
Conversion Speed	20Hz.
Load Cell Excitation	8V @ 300mA (up to eight load cells of 350 ohms each)
Signal/Unit weight	1 micro volt to 3 microvolts
Indications	Buzzer for fault and data entry
Fuse	F1 fuse 2.5 Amp for AC power in
Protection	RFI/EMI filter for input power Spike suppressor for input transients
Input Voltage	90V to 270V AC @ 50Hz/60Hz
Power Consumption	15 VA (approx.)
Environment	Operating Temp - 0° to 50° C Humidity -0 to 95% relative humidity non-condensing.
Mechanical	Industrial panel mounting enclosure with sheet metal and extruded aluminium section. Case size: 144 x 144 x 160 mm(W) (L) (H) Bezel size : 144x144 mm Panel cut out : 138X138 mm Depth : 140 mm with rear panel connector

Note: Due to continuous research and development the illustrations and specifications are subject to modifications, without notice.



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