AND with "Multi Insert"

"AND with multi insert" is a complete solution for steel industries or any such industries, that require loading of many materials in a single vehicle. In some applications, a vehicle is loaded / unloaded multiple times with different materials. It provides an easy process for weighing, collective ticket & also saves a lot of weighment time and gives net weight of each material. It is robust in nature to withstand harsh environmental conditions. It can operate reliably over a wide temperature range and also in humid weather.

Hardware Features

- 32 bit ARM processor
- Sigma Delta type 24bit ADC
- Front mount 16x2 LCD display & 1/2" LED display
- SMPS power supply
- On board memory to save 1lakh records
- USB ports for Standard computer keyboard & Pendrive
- Centronics port for 80 column Dot matrix Printer
- RS232 port for display/continuous transmission of current weight
- Table top port for connecting external wired displays
- Field programmable 10 subtitles for ticket data entry
- Coding facility (100 codes for 4 entries)
- Report printing
- Multi-level passwords for security

Salient Features

- Multiple weighments can be done in a single Ticket/RST No. (Up-to 15).
- Material name can be entered like Iron, Steel and Sariya etc.
- The description of Net weight of each item is mentioned correctly in the ticket.
- Ticket contains Name of item, Last weight, Net weight of material, with gross weight and total net weight.

Scope of Supply

- AND 4500 multi insert
- Power cable
- Load cell connector
- Printer isolator cable

Applications:

| Steel Manufacturing | Marble Industries | Steel Trading |

Benefits

Multiple Weighment

Entry of multiple items in a single ticket saves lot of time and effort.

Reduces Errors

All the weighment related calculations are done by the machine, so chances of human error is reduced.

Cross Check

Details of loading or unloading of material is mentioned in the ticket, thus the cross checking of material becomes easy.

Application

Application for various industries like steel manufacturing, steel trading & marble etc.

Optional Features

- Graphical LCD
- LAN networking
- Inbuilt wireless for connecting wireless accessories (JB, display)
- Other housing choices

Ticket

ELECTRONICS PVT. LTD.
19, A. B. ROAD
INDORE

TICKET NO   : 1   VEHICLE NO.   : MP09 GA 1234
CUSTOMER   : ABC TRADERS

1st Wt. for this vehicle   :   35015 kg. Date : 12/03/13   Time 14 : 25
Last Wt. for this vehicle   :   30015 kg. Date : 12/03/13   Time 14 : 25
Net Wt. for this vehicle   :   5000 kg.

Transaction Details :

MATERIAL DESCRIPTION	1st Wt kg	2nd Wt kg	Net Wt kg	Remarks
1 SUGAR	35015	5000	30015	Unloaded
2 SALT	5000	10005	5005	Loaded
3 WHEAT	10005	14915	4910	Loaded
4 PULSES	14915	19985	5070	Loaded
5 RICE	19985	25020	5035	Loaded
6 TEA	25020	30015	4995	Loaded

Total Net Wt.   :   5000 kg.

Operator Signature :

Rear panel

Specifications :

Processor	32bit ARM Processor
Processor clock frequency	50 MHz
Real time clock	On board battery backed RTC.
RTC Clock frequency	32.768 KHz
Memory	On board memory to save 1 Lakh records
Power supply	SMPS power supply
Input Voltage	90V to 270V AC @ 50Hz
Protection	* 750mA fuse for input AC mains * Input line filter for EMI and RFI suppression * Spike suppressor for input transients * Opto-isolation of signals and I/Os for high immunity from electricalnoise
Power Consumption	10 VA (approx.)
A/D converter	Sigma Delta type with 24 Bit resolution
A/D Clock	20 Hz
Conversion Speed	Internal 25 samples per second
Load cell excitation	8V DC with current capability to drive up to 12 load cells of 350 ohms input resistance
Signal Sensitivity	0.3 micro volt per division of weight (unit weight)
Display	16 characters by 2 line LCD display with backlight for displaying numerals and alphabets & 1/2" LED 7 segment red display to show weight.
Keyboard port	101-key with USB connector compatible keyboard. (Recommended for use Logitech or Microsoft)
USB Port	USB Port configured for Pen Drive
Printer port	Isolated Centronics compatible printer port provided on rear panel for connecting 80-column dot matrix printer for printing of weighment record and reports.
Serial port	Isolated RS-232 serial port is provided for continuous weight transfer
Remote Display Port	Remote display port is provided to show weight by connecting external seven-segment/ day light visible display (2", 4", 6", 8", 12")
Environment	Operating temperature: 0° to 55° Celsius
Humidity:	up to 95% RH non-condensing

WEIGHTR◉NICS