

AND4500 “Dual Platform”

Weighbridge Application Intelligent Terminal “AND 4500 dual platform” is specially designed to fulfil the need of weighing industry for cost effective capacity expansion OR control of two weighbridges by a single weigh room operation.

Benefits

- During breakdown of one weighbridge, working of other will not be affected
- Out of 2 weighbridge platform both can have different capacities, sizes, load cell types

Capacity expansion type:-

- Existing mechanical structure can be utilized
- No installation down time during erection of add-on weighing structure
- Platform weight selection facility for 1st, 2nd OR total weight
- Saving, printing will be as per selection
- Data will exactly resemble simple weighbridge

Dual weighbridge control:-

- Single weighbridge room and operator is required
- Reduces operating cost
- Inward/outward data can be maintained in a common database
- Facility of weighbridges selection(A/B) at each weighing transaction is provided

Basic Hardware Features

- 32 bit ARM processor with two load cell ports
- Provision for connecting peripherals: USB keyboard, Pen drive, Dot matrix 80 column printer on centronics/USB port, RS232 communication for GSM modem/weight transfer, external table top display

Application

Public weighbridges

Industrial Weighbridges

Toll Ways

Salient Features

- On board memory to save 1lakh records
- USB port for pen drive connectivity (data in .xls format)
- Field setting option for Vehicle wise working
- SMS provision
- Field settable pre-printed stationary
- Mandi Application features

Scope of Supply

- Power cable
- Load cell connectors
- Printer isolator cable

Software Features “Installation privilege”

- Initial LCD display message field settable as OEM name/ weighbridge name
- Installation settings secured under engineer login
- Engineer login password field settable by authorised OEM
- 20 step software calibration with random load sequence (separate for both platforms)
- Smart Calibration (separate for both platforms)
- Multi-step smart calibration (separate for both platforms)
- Calibration data restoring (separate for both platforms)
- Installation report

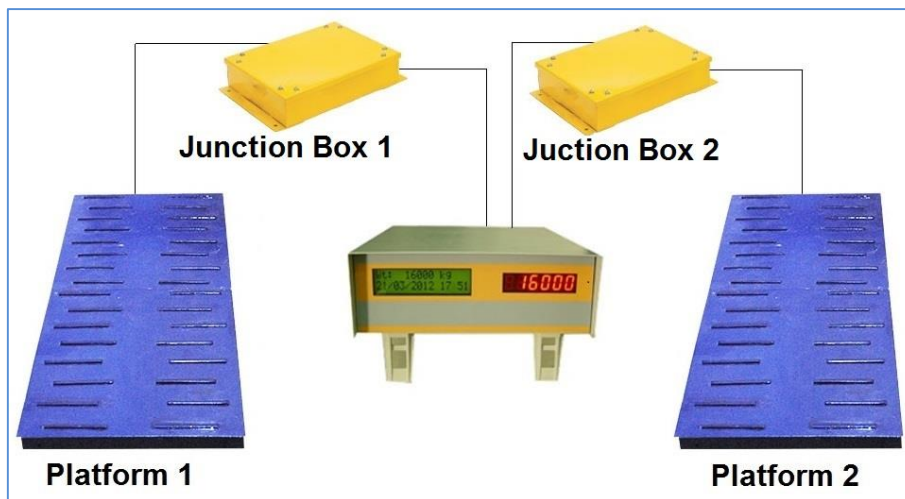
Software Features “Weighbridge privilege”

- Simple process for weighments of Tare/ Gross Vehicle weights
- 10 entries in ticket for 25 characters each
- 4 code banks for 100 codes each(Flexibility of setting)
- Field settable header, footer, signature lines
- Facility to view/print earlier saved records according to RST no/ Vehicle no
- Multiple report option all/summary/filtered/serial no. wise/date wise/time wise
- Dumping of report into pen drive to avail softcopy of records (.xls)
- Field settable Pre-printed tickets
- SMS feature in 3 different ways
- Net weight printing in words
- Mandi Application feature of Rate, Amount, Binding material deduction etc.

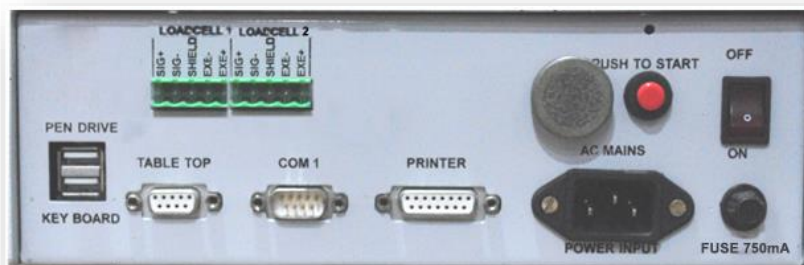
Optional Features

- Confidential Report
- GLCD display

Controlling Two Weighbridges with Single Indicator



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	<ul style="list-style-type: none">* 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 electrical noise
Power Consumption	10 VA (approx.)
A/D converter	Two ports based on 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 keyboard USB connector type (Logitech/Microsoft recommended)
USB Port	USB Port configured for Pen Drive
Printer port	Isolated Centronics compatible printer port & USB port for connecting 80-column dot matrix printer for printing of weight record and reports
Serial port	Isolated RS-232 serial port for continuous weight transfer
Remote Display Port	Remote display port to connect optional 1/2inch, 1inch, 2.3inch or 4inch bright red LED display to indicate the weight on the platform
Environment	Operating temperature: 0° to 55° Celsius
Humidity:	Up to 95% RH non-condensing

Specifications of each ADC