



Vehicle Positioning System “AND-VPS”

Preventing manipulation in truck scale is a prime need now a days. For this, Altis Industries has integrated vehicle positioning system with the intelligent terminal. AND-VPS is an anti-theft solutions that ensures weighment of properly positioned vehicle only.

“AND-VPS” is a set of special weighbridge intelligent terminal, IR sensors & their mounting accessories.

Besides position checking, other unique features like barr overloading, confidential weighment, empty platform checking are also available to ensure secured weighing process.

Features of AND-VPS

- Weighment of properly positioned vehicles only
- Suitable for both pit type and pit less type weighbridge
- Digital inputs for sensing entry, middle and exit position
- 24V operated IR sensor-set
- Easy installation using specially designed poles (mild steels)

Basic Hardware Features

- 32 bit ARM processor with sigma delta type 24bit ADC
- Front mount 16x2 LCD display & 0.5inch LED display
- SMPS power supply
- On board memory to save 1lakh records
- USB ports for Standard computer keyboard & pen drive
- Centronics port for 80 column Dot matrix Printer
- RS232 port for display/GSM modem/ continuous transmission of current weight
- Table top port for connecting external wired displays

Application

Public weighbridges

Industrial Weighbridges

Toll Ways

Salient Features

- Theft Prevention:-
 - Barring weighment of improper positioned vehicles
 - Keeping track of vehicles passed without weighing
 - Preventing manipulation by loading vehicles back to back
 - Barr overloading according to vehicle type

Scope of Supply

- AND-VPS
- Pair of IR sensors (2/3 number)
- 24V power supply
- 6 poles

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
- Smart Calibration
- Multi-step smart calibration
- Calibration data restoring
- 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
- Inbuilt wireless for connecting wireless accessories (JB, display)
- Graphical LCD display

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
Digital input	3 numbers for connecting output of IR sensor
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 electricalnoise
Power Consumption	10 VA (approx.)
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 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

Sample Ticket

**ABC WEIGHBRIDGE
NEW CITY
INDIA**

RST NO :	23	VEHICLE NO :	MH 09 AB 1234	
CUSTOMER :	GAGAN	MATERIAL :	STEEL	
COMMODITY :	RODS	SOURCE :	NEW CITY	
CHALLAN NO :	9003	DESTINATION :	OLD CITY	
ADDRESS :	89/1 A.B ROAD NEW CITY		PHONE NO. :	982751146
REMARK :	NA			

GROSS Wt:	23915 kg	Date:20/08/2015	Time:15:26
TARE Wt:	15880 kg	Date:20/08/2015	Time:15:25
NET Wt:	8035 kg	EIGHT ZERO THREE FIVE kg	

Charges(1): Rs. 700 Charges(2): Rs. 500 Charges(total): Rs. 1200

OPERATOR'S SIGNATURE: _____

Contact for repairs at tel no _____

Sample Report

**ABC WEIGHBRIDGE
NEW CITY
INDIA**

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ABC WEIGHBRIDGE
Report - from RST : 22 To : 27
For MATERIAL STEEL

Sno	RST	VEHICLE NO	CUSTOMER	MATERI	GROSS kg	Date & Time	TARE kg	Date & Time	NET kg	CHRG
1	22	MP 09 AB 123	RAHUL	STEEL	15880	20/08/2015 15:15	7940	20/08/2015 15:14	7940	700
2	23	MH 09 AB 123	GAGAN	STEEL	23915	20/08/2015 15:26	15880	20/08/2015 15:25	8035	1200
3	24	KA 29 AB 123	RAHUL	STEEL	23915	20/08/2015 15:28	15885	20/08/2015 15:28	8030	1400
4	25	JK 09 AB 123	RAM	STEEL	15880	20/08/2015 15:29	7945	20/08/2015 15:30	7935	1200
5	27	JK 12 AB 123	AMAN	STEEL	7940	20/08/2015 15:32	10	20/08/2015 15:32	7930	1200
Total									39870	5700

Pen Drive dumping Screenshot

20081556.CSV - Microsoft Excel

RST	VEHICLE NO	CUSTOMER	MATERIAL	COMMOD	SOURCE	CHALL	DESTINATIO	ADDRESS	PHONE NO.	REMARK	GROSS W	DATE	TIME	TARE V	DATE	TIME	TOTAL	NET WEIGHT kg
22	MP 09 AB 1234	RAHUL	STEEL	RODS	INDORE	300	GOA	42/1 A.B. ROAD IN	9827056738	--	15880	20/08/201	15:15	7940	20/08/201	15:14	700	7940
23	MH 09 AB 1234	GAGAN	STEEL	RODS	NEW CITY	9003	OLD CITY	89/1 A.B. ROAD NE	9827551146	NA	23915	20/08/201	15:26	15880	20/08/201	15:25	1200	8035
24	KA 29 AB 1234	RAHUL	STEEL	FOAMS	INDORE	9004	DELHI	UA 23 INDORE	9827511746	NA	23915	20/08/201	15:28	15885	20/08/201	15:28	1400	8030
25	JK 09 AB 1234	RAM	STEEL	PLATES	JAIPUR	800	BOMBAY	67 AH INDORE	9827511746	NA	15880	20/08/201	15:29	7945	20/08/201	15:30	1200	7935
27	JK 12 AB 123	AMAN	STEEL	TRADERS	JAIPUR	80	RAJ	12/3 JAIPUR	9827511746	NA	7940	20/08/201	15:32	10	20/08/201	15:32	1200	7930