Weighbridge Application IT "AND GLCD"

Weighbridge Application Intelligent Terminal "AND 4500 GLCD" is featured with powerful electronics designed in modular style. It is a complete weighing solution for public or industrial weighbridge. Its features like data processing, saving & printing makes it a stand-alone utility. Graphical LCD display gives an appealing look, clear visibility of weight and other information to AND 4500 GLCD.

Features of Graphical LCD

- Better visibility
- Complete data entered in a weighment becomes visible at a glance during weighment & view ticket
- Filed settable GLCD footer field settable in English
- Facility to edit ticket before saving to handle data entry error
- Three choices available for weight font & size
- "Logo" of OEM can be factory set to display at start-up & as a screen saver
- GLCD display header can be any pre-set Hindi /Bangla /Punjabi and Gujarati or field settable English header
- GLCD display footer field settable

Basic Hardware Features

- 32 bit ARM processor with sigma delta type 24bit ADC
- Front mount GLCD display 130x40 mm with blue backlight
- 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

Salient Features

- Graphical LCD display
- 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

- AND 4500 GLCD
- Power cable
- Load cell connector
- Printer isolator cable

Application

| Public weighbridges | Industrial Weighbridges | Toll Ways |

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.
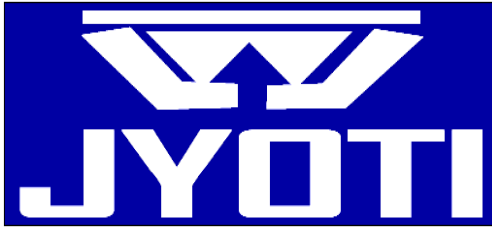
Optional Features

- Confidential Report
- Inbuilt wireless for connecting wireless accessories (JB, display)

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	Graphical LCD display 130X40 mm with blue blacklight
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: 0º to 55º Celsius
Humidity:	up to 95% RH non-condensing

Features of Graphical LCD

Logo of OEM can be programmed, which will be displayed when the indicator starts.

Large size Weight characters, for better view of the weight display.

11 factory set headers are available in various Indian regional languages like Hindi, Gujarati, Punjabi, Bengali etc.

View full ticket on LCD screen. All data entered in a weighment can be seen in a single view.

```
VEHICLE NO   : MP09 SB 0676   RST NO:999
MATERIAL     : WHEAT
SOURCE       : FCI   G1
DESTINATION  : FCI   G2
PARTY        : S SONI
WEIGHT1      : 8195   02/07/2007   11:19
WEIGHT2      : 16385  02/07/2007   11:20
NET WEIGHT   : 8190   CHARGES (TOTAL): 50
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