



**Absolute**  
We mean accuracy

# IN4 DIGITIZER

WEIGHBRIDGE INTELLIGENT  
TERMINAL

Weighbridge Application Intelligent Terminal IN4 is a complete solution to serve for public or industrial weighbridge. Its features of weighing, data processing, saving, printing makes it a stand-alone utility for weighbridge. IN4 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

- Sophisticated operations powered by 32 bit ARM processor
- Multistep calibration, smart calibration supported by 24bit ADC
- Front mount 16x2 LCD display & 0.5inch LED display
- High end protection against lightning and surge using improved SMPS
- 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/GSM modem/continuous transmission of current weight
- Table top port for connecting external wired displays



## Applications

- Public Weighbridges
- Industrial Weighbridges
- Toll Ways



## Software Features

- Simple process for weighment of Tare/ Gross Vehicle weight
- Field settable header, footer, signature lines
- 10 entries in ticket of 5 characters each
- 4 code banks for 100 codes each( Flexibility of setting)
- Facility to view/print earlier saved records according to RST no/ Vehicle no
- Multiple report option all/asummary/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



## Software Features

- LCD start up message field settable as OEM/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

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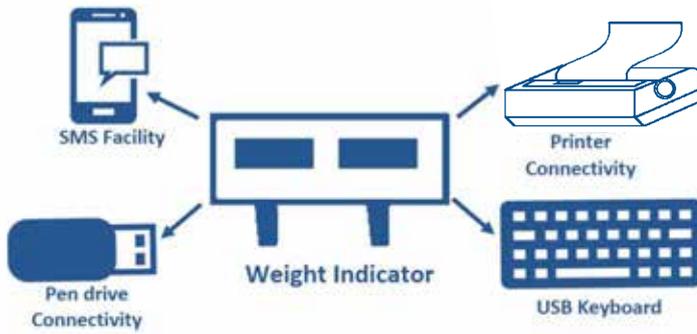
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# Peripheral



## Optional Features

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

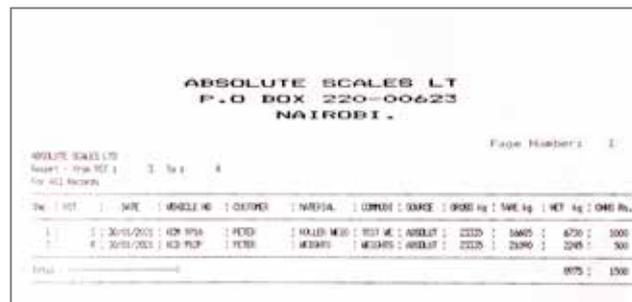
## Scope of Supply

- IN 4
- Power cable
- Load cell connector
- Printer isolator cable

## Sample Ticket



## Sample Report



## Technical Specifications

Processor	32 bit ARM processor
Processor clock	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/O's for high immunity from electrical noise
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 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/ DMP printer
Printer port	Isolated Centronics compatible printer port to connect 80-column dot matrix printer for printing of weighment record and reports
Serial port	Isolated RS-232 serial port for continuous weight transfer/modem connectivity
Remote display port	Remote display port to connect external display 1/2", 1", 2.3" & 4"
Environment	Operating temperature: 0° to 55° celsius
Humidity	up to 95% RH non-condensing