



Universal Intelligent Terminal “UIT4500”

“Universal Intelligent Terminal” can be connected to any weight indicator to provide the data processing facility for weigh bridges, jewellery scales, platform scales & lab balances.

UIT4500 replaces the Personal Computer’s requirement for data processing. It solves the purpose of data entry, storage, printing etc. The UIT will require least maintenance as compared to a PC. It is robust in nature to work in harsh industrial environment.

Hardware Features

- 32 bit ARM processor
- Front mount 40X2 LCD 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

Software Features

- Initial LCD display message field settable
- Installation settings secured under engineer login
- Engineer login password field settable by authorised OEM
- 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)
- Facility to view/print 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 in .xls
- Field settable Pre-printed tickets
- SMS feature in 3 different ways

Applications:

Public Weighbridges

Industrial Weighbridges

Toll ways

Salient Features

- Connectivity with any weight digitizer through RS232 input port for taking weight
- 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

- UIT 4500A
- Power cable
- Printer isolator cable
- RS232 cable

Optional Features

- Graphical LCD
- Wi-Fi display
- LAN networking

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				

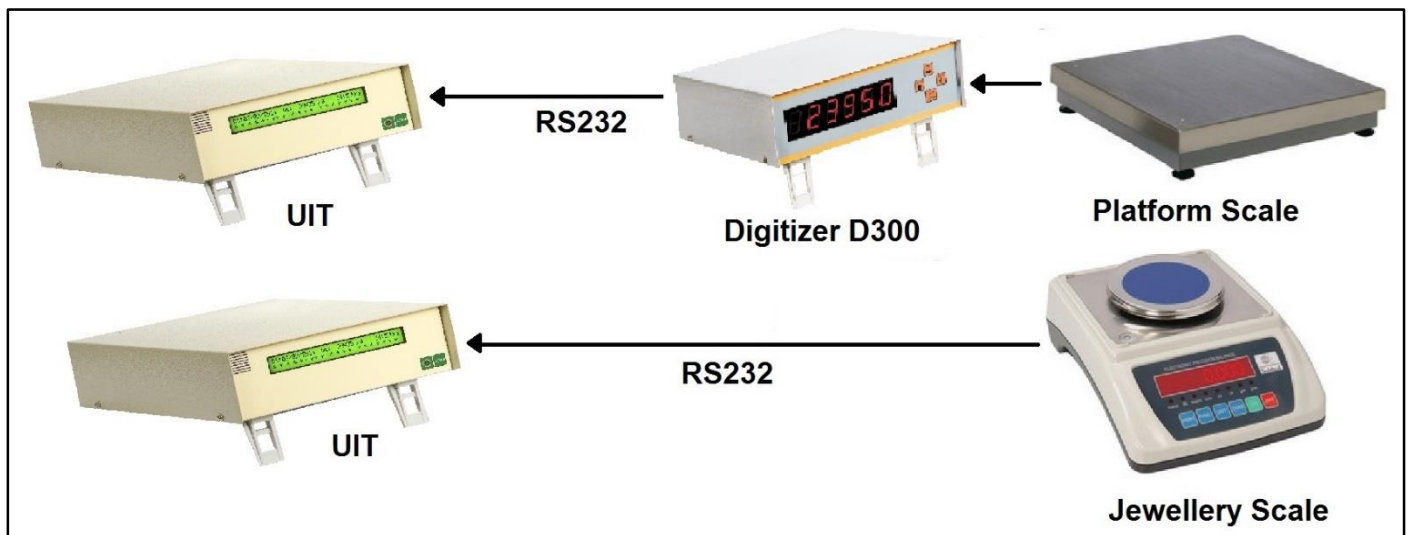
GROSS Wt:	23915 kg	Date:	20/08/2015 Time:15:26		
TARE Wt:	15880 kg	Date:	20/08/2015 Time:15:25		
NET Wt:	8035 kg	EIGHT ZERO THREE FIVE kg			

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

OPERATOR'S SIGNATURE:					

Contact for repairs at tel no					

Scheme



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 electricalnoise
Power Consumption	10 VA (approx.)
Display	40 characters by 2 line LCD display
Keyboard port	101-key with USB connector compatible keyboard. (Recommended for use Logitech or Microsoft)
USB Port	USB Port configured for Pen Drive /Dot matrix printer
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 1	Isolated RS-232 serial port is provided for taking RS232 input from other weight digitizer
Serial Port 2	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")
Wi-Fi	Transmission facility to connect wireless peripherals (Optional).
Environment	Operating temperature: 0° to 55° Celsius
Humidity:	up to 95% RH non-condensing
Mechanical	Dimensions: 250mm (w) X 280mm (D) X 80mm (H) Weight: 2.5Kg (approx.)