ROBONIK (INDIA) PVT LTD.
A-374, TTC, MIDC Industrial Area, Mahape, Navi Mumbai – 400 710
Tel: +91-22-67829700, Fax: +91-22-67829701
Email: marketing@robonikindia.com / Website: www.robonik.in

URICHA

Urine Chemistry Analyser

ROBONIK (INDIA) PVT LTD.
A-374, TTC, MIDC Industrial Area,
Mahape, Navi Mumbai – 400 710
Tel: +91-22-67829700, Fax: +91-22-67829701
Email: marketing@robonikindia.com
Website: www.robonik.in

13. SAFETY CLEARANCE CERTIFICATE:

Please complete all information requests on this form prior to returning the instrument to the manufacturer or your local distributor for servicing, repairs or return. Thank you for your co-operation.

Customer _____ Contact _____

Address _____ Position _____

_____ Dept. _____

_____ Tel: _____

Country _____ Fax: _____

Post Code _____

Model No. _____ Serial No._____

Accessories Returned _____

Date of Purchase (if known) _____

Complaint _____

_____

_____

_____

_____

Has the equipment been exposed to any of the following:(*delete as applicable)

a) Blood, body fluids, pathological specimens *YES/NO

If YES, please specify _____

_____

b) Other Biohazard *YES/NO

if YES, Please specify _____

_____

U S E R M A N U A L

Version : 1.1

TABLE OF CONTENTS

12. DECONTAMINATION

12.1. Decontamination Procedure
If the instrument is to be shipped after being exposed to potentially hazardous material, it should be decontaminated. The following procedure outlines how to decontaminate the instrument before packaging and shipment.

12.2. Purpose of Decontamination
Decontamination minimizes the risk to all who come in contact with the instrument during shipping, handling, and servicing.

12.3. General Considerations
Any laboratory instrument that has been used for clinical analysis is considered a biohazard and should be decontaminated prior to handling. Intact skin is generally considered an effective barrier against infectious Organisms; however, small abrasions and cuts may not be always visible. Prophylactic gloves must be worn when handling instruments that have not been decontaminated. Gloved hands should be considered contaminated at all times and must be kept away from eyes, mouth and nose at all times.

Mucous membranes are considered prime entry routes for infectious agents. Wear eye protection and a surgical mask when there is a possibility of aerosols.

Eating and drinking while decontaminating instruments is not advisable.

12.4. Procedure:
A solution of .5% Sodium Hypo Chlorite (NaOCL) solution (Bleach) is used. Commercial bleach is 5% NaOCL; household bleach is 3% NaOCL. When using commercial bleach, use a 10:1 mixture; if using household bleach, a 6:1 mixture is required. This is a caustic solution. It is important to wear gloves and eye protection when handling it.

Wipe down the carrier and all exposed surfaces of the unit with the bleach solution. Remove the top shroud of the instrument and wipe down the top surface of the instrument base, as well as the inside of the top shroud.

Reassemble the unit and discard the used gloves and towels.

11. CLEANING AND MAINTENANCE

11.1. Danger of Infection:
Urine and used test sticks bare the danger of infection. Always use protective gloves during handling and disposal. The disposal of used test sticks should be Performed according to the regulations for the handling of potentially infectious material.

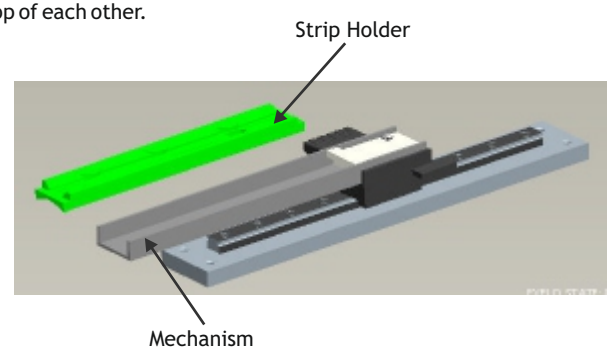
11.2. Cleaning:

11.2.1. How to Clean the Housing

The instrument housing may be wiped with a cloth. Mild cleaning agents or disinfectants may be used. Ensure that no moisture permeates the equipment.

11.2.2. How to clean the Strip Holder

Wipe off Urine residues from the strip holder with a lint-free cloth after each measurement. This prevents crustification and drying of Urine residues.
The strip holder can be removed from its mechanism and should be cleaned with water and when necessary with cleaning agent or disinfectant. Make sure that the instrument is turned off before removing the strip holder.
After cleaning the strip holder should be put back on to its mechanism carefully. The circular notch of mechanism and strip holder must be placed on top of each other.



1. GENERAL INFORMATION

1.1. Warranty Information:

Each Instrument is completely tested and guaranteed for twelve months from delivery. The warranty applies to all the mechanical and electrical parts. It is valid only for proper installation, use, and maintenance in compliance with the instructions given in this manual.

ROBONIK will at its discretion repair or replace parts, which may be found defective in the warranty period. The warranty does not include any responsibility for direct or indirect personal and material damages, caused by improper use or maintenance of the instrument.

Parts that are inherently subject to deterioration are excluded from the warranty. In case of defects due to misuse of the instrument, any travel and man-hour expenses will be charged extra.

1.2. Technical Service:

ROBONIK is always accessible to the customers for any kind of information about installation, use, maintenance, etc. When asking for service, please refer to this manual, and report the printed serial number on the Identification label.

Only qualified technicians are entitled to fix the instrument; the user, as described in this manual, should carry out ordinary maintenance.

ROBONIK technical service or an authorized service center with specialized technicians, with suitable instrumentation and original spare parts only are always available for extraordinary maintenance (repair), under a yearly maintenance contract or on specific demand.

1.3. Disposal Instruction:

In case of removal or disposal of instrument, following instructions need to be followed

Do not dispose in municipal waste; follow local regulations for instrument disposal.

Plastic parts, Electronic PCBs and components can be recycled, so return it back the instrument to manufacturer.

1.4. Contacts:

Manufacturer:
ROBONIK (INDIA) PVT LTD
A-374, TTC, MIDC Industrial Area,
MAHAPE, NAVI MUMBAI -400710
INDIA

Tel: +91-22-67829700,
Fax: +91-22-67829701
Email: sales@robonikindia.com
Website: www.robonikindia.com

10. TROUBLESHOOTING

ERROR MESSAGES / ERROR	CAUSES	CORRECTIVE ACTION
"PAPER OR FLAP ERROR"	If Printer flap not closed or paper not loaded	Keep printer flap properly closed or load the paper REFER"Thermal printer" in 8.2.2.
"STRIP ABSENT'	Test strip is not placed in the strip holder	Place the test strip in the strip holder properly.
"MEMORY FULL RECORD IN SEQ. DELETE"	If Number of saved records exceeds the memory limit above 250. Then before running the next test this message will displayed on screen.	Record will get overwrite on previous record or CLEAR MEMORY - All the records will get delete from the list.
Instrument doesn't start.	Power supply not installed or defective	Check weather all connections are plugged in properly. Measure the AC Voltage from 115V - 230 V. DC Voltage :- 12V

In case a fault cannot be cleared by the instructions above, please contact your local distributor or **"ROBONIK"**.

9. PRECAUTIONS

Precautions:

- ❖ Keep the place dry and clean.
- ❖ Use original packaging for transportation.
- ❖ Refer to the instructions provided by reagent manufacturer.
- ❖ If the display shows error messages instead of a result, then please read the chapter 10 and repeat the measurement.
- ❖ Make sure to remove excess urine by blotting the test strip carefully on a lint-free cotton cloth.
- ❖ While placing the TEST STRIP ensure strip is touching to white reference pad inside the instrument.

2. GENERAL SAFETY WARNINGS

2.1. Danger – Warnings Symbols:

The following symbols are used to inform the user of the safety rules.


This symbol indicates Direct current.

This symbol indicates that mains switch of instrument is ON.


This symbol indicates that mains switch of instrument is OFF.


This symbol indicates generic danger. It means that, serious damage can occur to the operator if described precautions are not observed.


This symbol indicates HIGH ELECTRIC VOLTAGE. It is dangerous to touch any part having this label. Only qualified operators can access these components, after unplugging the instrument from the Supply.


This symbol indicates that the instrument involves the handling of samples, which can be infected (urine or human serum). In this condition, infection or contamination might occur. Pay attention to the general safety warnings when in presence of such biological substances. Use Protective clothes, gloves and glasses.


This symbol in the user manual indicates that damages to the instrument or erroneous results could occur if the given warnings are not followed.


This symbol indicates a portion, which is particularly important, and should be studied carefully.


This symbol indicates a Protective Earth or Ground terminal.

General Symbols


Symbol for “Manufacturer”


Symbol for “ IN VITRO DIAGNOSTIC MEDICAL DEVICE”

2.2. Use of the Instrument:

The instrument has to be used for the designed purposes under specified conditions, following proper procedures and safety rules to be follow by qualified personnel.

THIS MANUAL CONTAINS INSTRUCTIONS FOR OPERATION BY QUALIFIED PERSONNEL ONLY.

- A qualified user has to make sure that the environmental condition is suitable, the installation is correct, the use and maintenance are proper, according to the general safety rules as well as to the particular precautions described in the manual (However, the user is not entitled to repair the instrument).
- A qualified technician is entitled to maintain and fix the instrument, according to the instructions given, using the original spare parts.
- Maintain room temperature and humidity as specified in the manual.
- The instrument has to be used as described in this manual. If it is not use the protection provided by the instrument may be impaired.
- **Alterations to the instrument are strictly prohibited. The user is liable and solely responsible for any improper modification to the instrument, and for the consequences derived as a result.**
- If the instrument need extraordinary maintenance, contact ROBONIK service or an authorized service center. Specialized technicians, who will be able to repair the instrument using original spare parts, will carry out the maintenance.
- This IVD equipment complies with the emission and immunity requirements as per IEC61326 series.

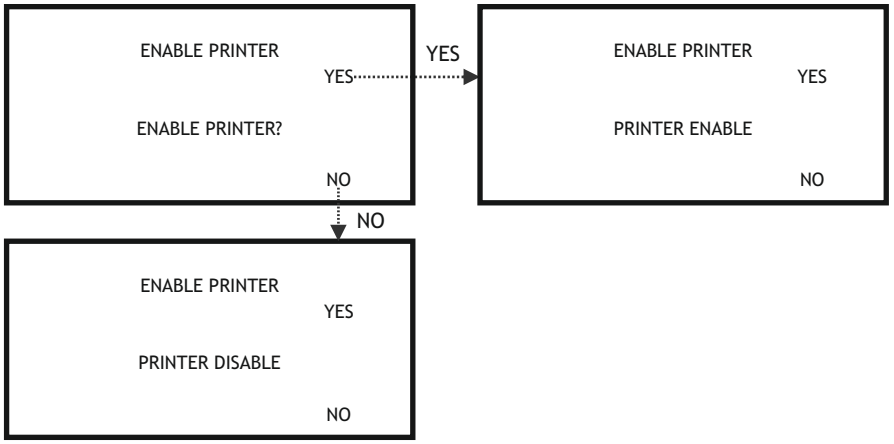
Warning: This equipment has been designed and tested to CISPER11 Class A. In a domestic environment it may cause radio interference, in which case, you may need to take measures to mitigate the interference."

- An advisory that the electromagnetic environment should be evaluated prior to operation of the device.

Warning: Do not use this device in close proximity to sources of strong electromagnetic radiation (e.g. unshielded international RF sources), as these may interfere with the proper operation.

User can take the printout of the Result by selecting 'Print' option present on the screen. 'ESC' option will help the user to come out of the screen to the Result screen.

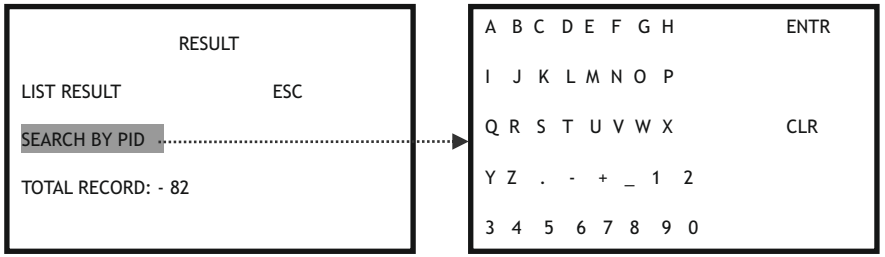
But if the Printer is set to its disabled mode then on selecting Print option it will display the following screen which will ask the user whether to Enable or Disable the Printer.



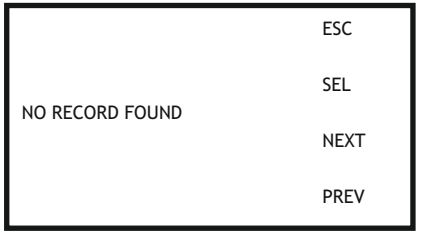
8.5.1.2. Search by PID

Select “Search by PID”, it will display alphanumeric screen through which user can enter the PID.

This option helps the user to search the test with the help of patient's identity.

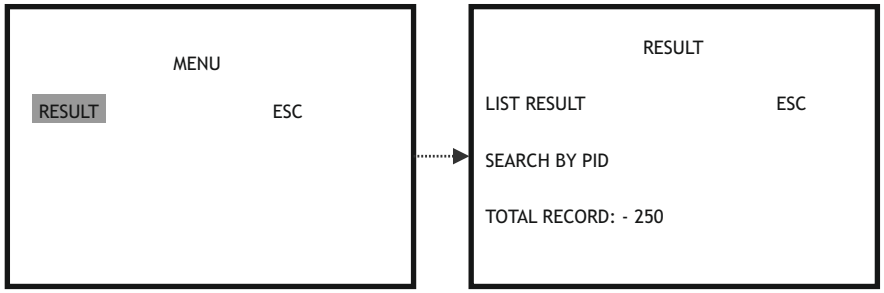


★ But if we enter wrong PID then it will display the message “NO RECORD FOUND” in the next screen.

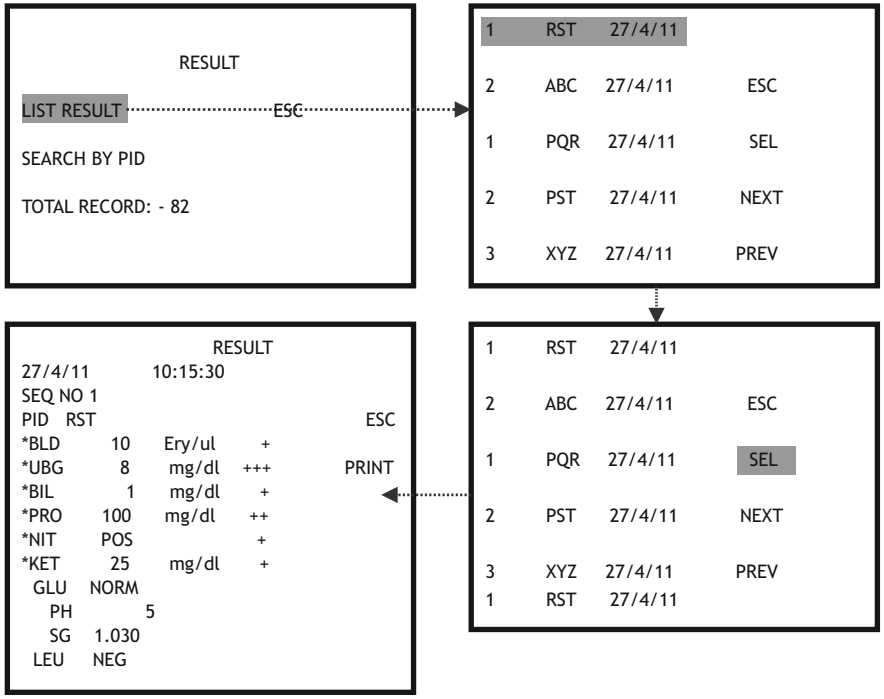


‘ESC’ option will help the user to come out of screen to the result screen.

8.5.1. Result
To view the result of the test run, select RESULT option.



8.5.1.1. List Result
"List Result" will display the following screen which consists of Sr. no., PID (if any), date along with ESC, SEL, NEXT and PREV options.



3. INTRODUCTION

3.1. Description:

URICHA is a reflection photometer for the analysis of urine test sticks. The measurements are performed under standardized conditions; measured values will display, printed and can be transferred to a computer. The **URICHA** is designed for in-vitro diagnostic use (IVD) and should be used by Qualified and healthcare professionals, only.

3.2. Salient Features:

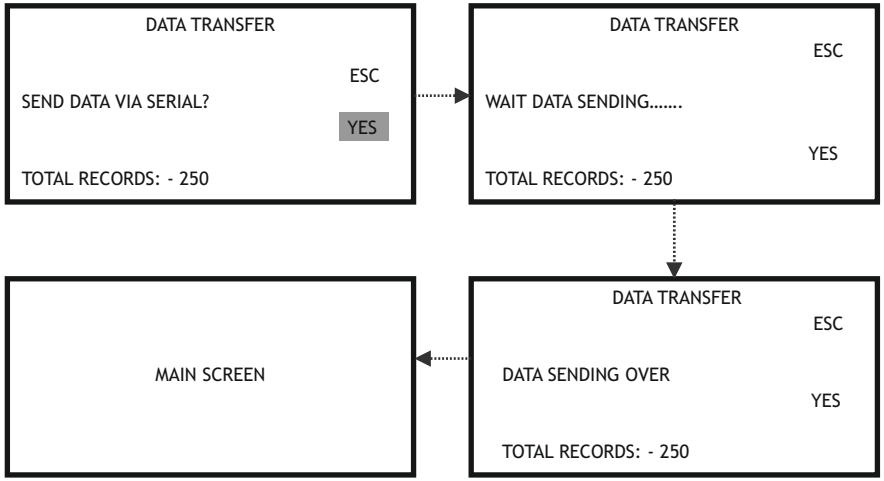
Urine Chemistry analyzer is an easy to use low power Urine analyzer designed for field use with following salient features.

- Easy to use, handheld low power analyzer.
- Finger touch operation makes easy to interface.
- Large memory to save 250 Results with date.
- Convenient computer interface via USB to back up the results.
- Single input voltage 12 VDC.
- Large display for clear view.
- Results for all 10 parameters are conveniently displayed on one page.
- Alphanumeric Input possible
- Instrument can be connected to Laboratory information systems and also to PC using USB/RS232 interfaces & software.
- Built in thermal printer with 24 characters.

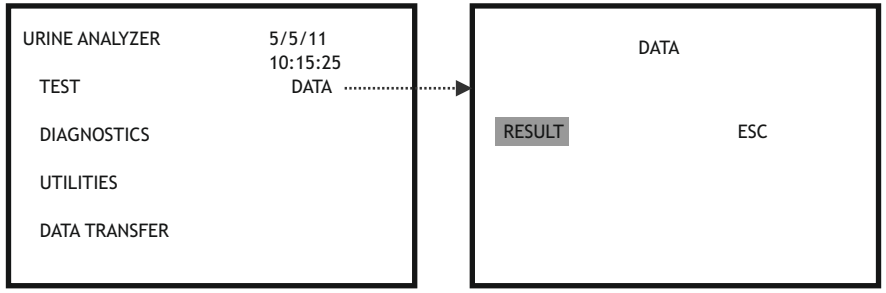
3.3. Technical Specifications – URICHA

Parameters	Values
Measurement Principle	Reflectance Meter
Optical Measurement	RGB Sensor
Test Samples	Urine
Test Strip	Uricha - 10 Test Strips
Test Parameters	Blood, Urobilinogen, Bilirubin, Protein, Nitrite, Ketones, Glucose, pH, Density, Leukocytes
Measurement Speed	50 Samples / Hour
Light Source	LED
Display	320 mm X 240 mm TFT LCD
Human Machine Interface	Touch Panel
Printer	Built in Thermal Printer
Result Storage Memory	Approx. 250 results with date
Patient ID	Alpha Numeric
External Output	USB, RS232 Interface to computer
Adaptor Specification	Input: 100 – 240V, 50-60 Hz, 0.5A (min) Output: 12V DC, 1.5A (min)
Power Wattage	18 Watts
Operating Position	On horizontal flat, rigid & vibration free surface
Operating Conditions Temperature Relative Humidity	 From +18 ° C to 35° C up to 85%
Storage Conditions Temperature Relative Humidity	 From -10° C to 50° C up to 85%
Enclosure	ABS Plastic
Size (mm) (L X B X H)	210 x 145 x 105
Weight	1.35 Kg

8.4.2. Data Transfer through Serial cable.



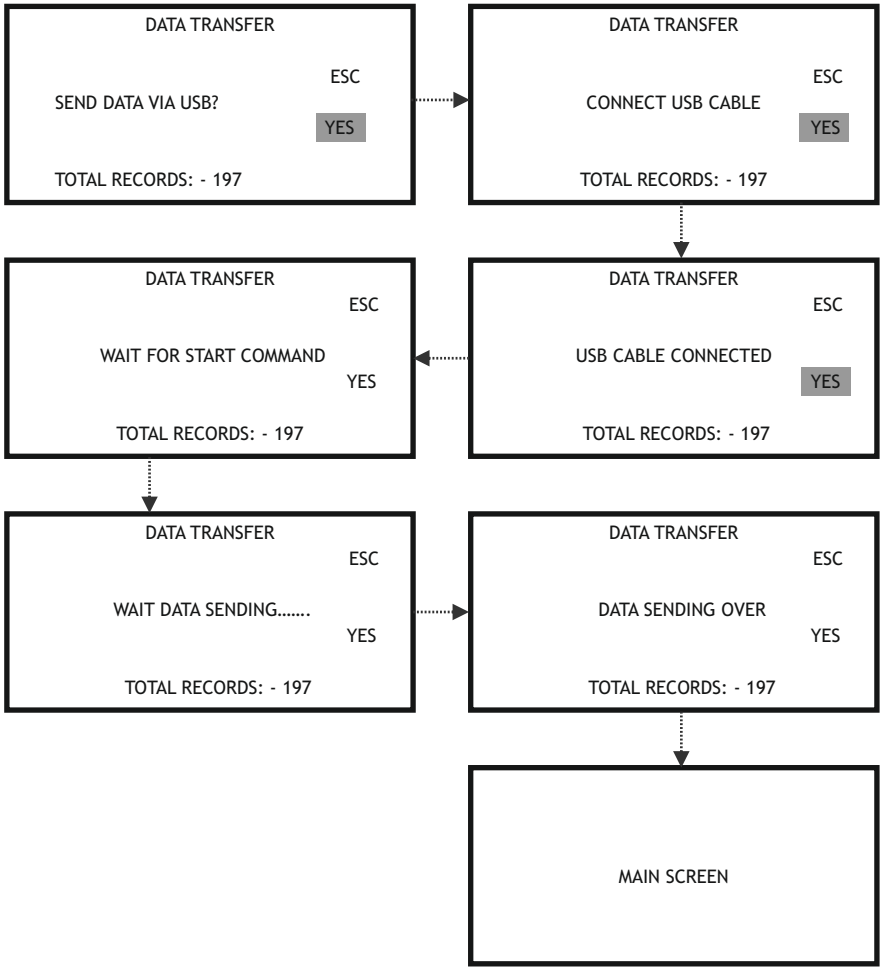
8.5. Data
Select “DATA” option present on the main menu screen.
It will display the screen consisting of Result and Esc options.



"ESC" option present on the Utilities screen will help the user to come out of the Utilities screen to the Main menu screen.

8.4. Data Transfer
Select "Data Transfer" option from the Main menu. It will display the data transfer screen which asks the user "Send data via USB?". Select "Yes" if you want to send the data through USB. If USB cable is not connected then it will display the string "Connect USB cable". Connect the cable and select 'Yes' option present on the Data Transfer screen. Similarly, you can transfer the data through Serial cable.

8.4.1. Data Transfer through USB



4. PACKING, TRANSPORT AND STORAGE

4.1. General Warnings:
Instrument has to be decontaminated before packing for transportation.

4.2. Packing:
Packaging is needed whenever it is to be transported or shipped by courier or other means.

❖ **To pack the instrument follow the instructions as described below:**

1. Decontaminate the instrument as explained in chapter No. 12 (Decontamination) of this manual.

2. Place the instrument into the original packaging box; Instrument has to be properly protected by plastic protective material. Put copy of safety clearance certificate (copy of Safety Clearance certificate is attached at the end of this manual)

3. Mark the package with address, instrument identification and warning labels.

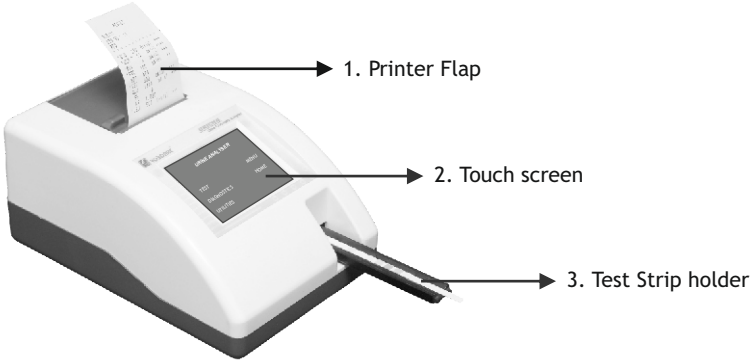
4.3. Instrument Transportation:
The transportation of the instrument in unpacked condition must be limited with in the room where it is used, to avoid damage.

4.4. Storage of the Instrument:
Before storing the instrument for a long period, pack it carefully as described above and store indoors.
Relative humidity has to be less than 85%, and temperature between 0°c and 50°c.

5. INSTRUMENT DESCRIPTION

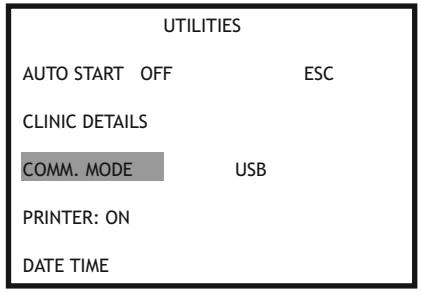
5.1. Perspective View:

A) Front View

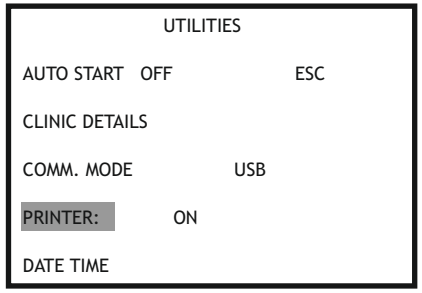


Parts	Function
1. Printer Flap	Opening the printer flap for paper replacement
2. Touch-Screen DISPLAY	Control of equipment functions
3. Test Strip holder	Test strip holder

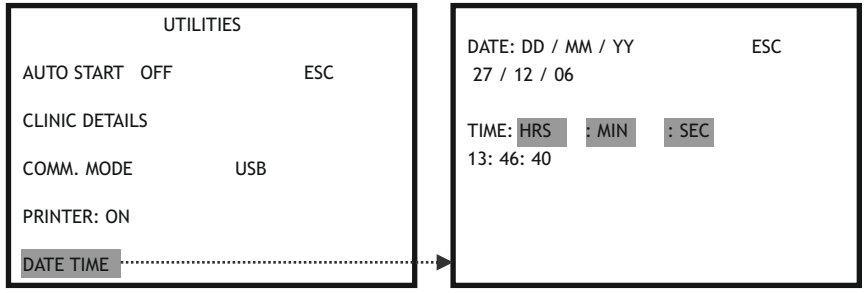
8.3.3. Comm. Mode : USB/Serial
Communication Mode is a toggle between USB & Serial Communication.



8.3.4. Printer: ON/OFF
It is a toggle key between “Printer On” & “Printer Off”. If user wants to take the print of the result then switch to “Printer On” option or else select “Printer Off”.

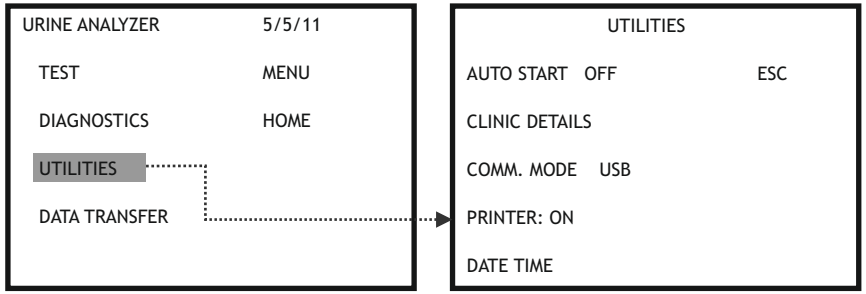


8.3.5. Date Time
It displays the Date/Time screen where user can enter the Date/Time with the help of numeric screen.

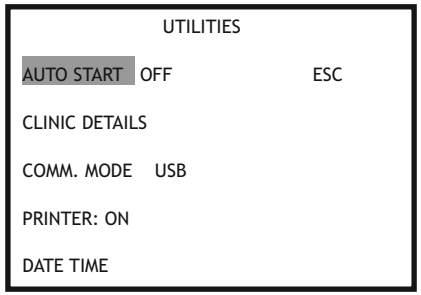


To enter /change the date and time, touch on the shaded zones accordingly.
A numeric submenu screen will be displayed.
Enter the current date and time.
On completion, Touch ESC to escape.

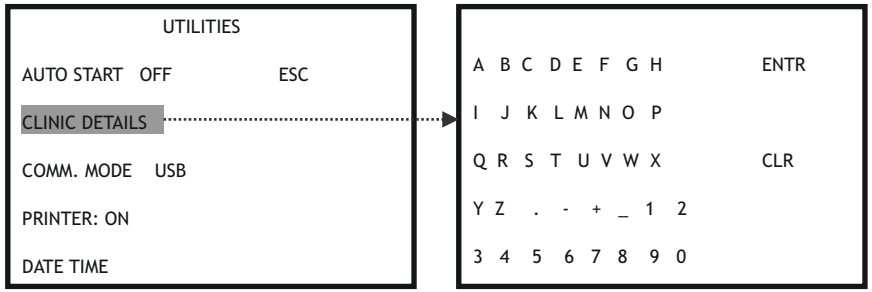
8.3 Utilities



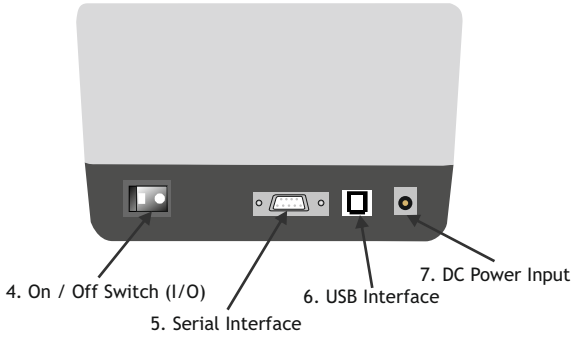
8.3.1. Auto Start (ON/OFF)
It is a toggle key between “Auto Start ON” & “Auto Start OFF”. To run the instrument in Auto mode, select “Auto Start ON”.



8.3.2. Clinic Details
On selecting “Clinic Details” it will display the alphanumeric screen in order to enter the Clinic Name.



B) Rear View

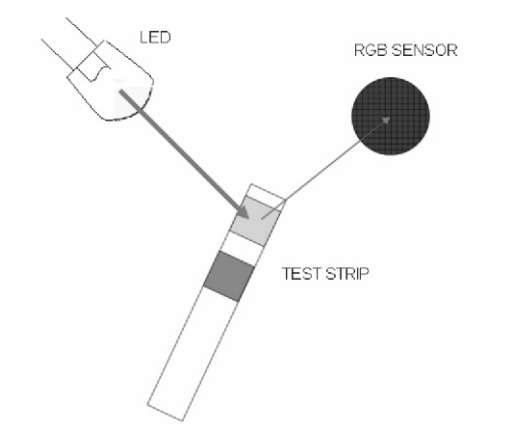


Parts	Function
4. On/Off Switch (I/O)	Turning the equipment on and off
5. Serial Interface	Connection of a computer
6. USB - Interface	Connection of a computer
7. DC Power Input	Contact for the provided Adapter DC voltage

5.2. Instrument Working Principle:

5.2.1. Block Diagram

The diagram representing the main functional elements of the instrument.



The test stick moves below a fixed measuring head on a slide with an embedded reference pad. The reflectometric analysis of the test stick and the reference field take place during withdrawal and release of the slide. The stick is illuminated with an LED and a detector registers the intensity of light reflected by the test stick at three different wavelengths. Using an internal calibration, the results are calculated from the reflection values. Whenever samples are strongly alkaline, a density correction is automatically conducted.

5.3. Functional Principle:

A measurement is started by placing a strip on the holder. The measurement is started by pressing the LOAD STRIP and READ STRIP after selecting 'TEST' from startup screen. The result is shown on the display, printed out and released via the interfaces after the measurement has been completed. All user inputs are performed via the touch-screen.

8.2.3. MOTOR TEST

On selecting "Motor Test" it will move the strip outside and inside. To check motor movement this option is given.

DIAGNOSTICS	
LAMP AMPLITUDE	ESC
PRINTER TEST	YES
MOTOR TEST	NO
CLEAR MEMORY	

8.2.4. Clear Memory

"Clear Memory" helps the user to clear the memory/Results from the RAM. Before clearing the memory it will ask the user whether to clear the memory or not by displaying the message string "Clear Memory Yes/No!". If you want to clear the memory then select "Yes" option present on the Diagnostics screen, otherwise select "No" option. "Memory not cleared" message string appears if selected 'No' option; whereas "Memory Cleared" message string appears if selected 'Yes' option.

DIAGNOSTICS	
LAMP AMPLITUDE	ESC
PRINTER TEST	YES
MOTOR TEST	NO
CLEAR MEMORY	

DIAGNOSTICS	
LAMP AMPLITUDE	ESC
PRINTER TEST	YES
MOTOR TEST	NO
CLEAR MEMORY	
WAIT MEMORY CLEAR	

DIAGNOSTICS	
LAMP AMPLITUDE	ESC
PRINTER TEST	YES
MOTOR TEST	NO
CLEAR MEMORY	
CLEAR MEMORY	YES/NO!

DIAGNOSTICS	
LAMP AMPLITUDE	ESC
PRINTER TEST	YES
MOTOR TEST	NO
CLEAR MEMORY	
MEMORY NOT CLEAR	

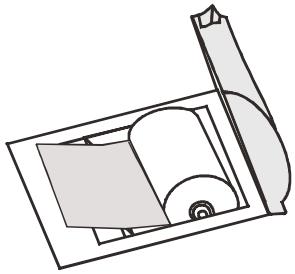
URICHA comes with a built in 20 column Thermal Printer. User has to take proper care to handle this delicate instrument.

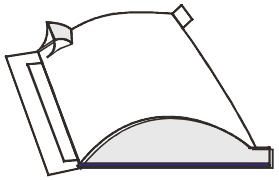
TIPS FOR CAREFUL USAGE OF PRINTER

Do not pull the paper when loaded
1.Lift the paper lid carefully and load the paper
2.Keep the instrument clean and dust free

How to insert the paper

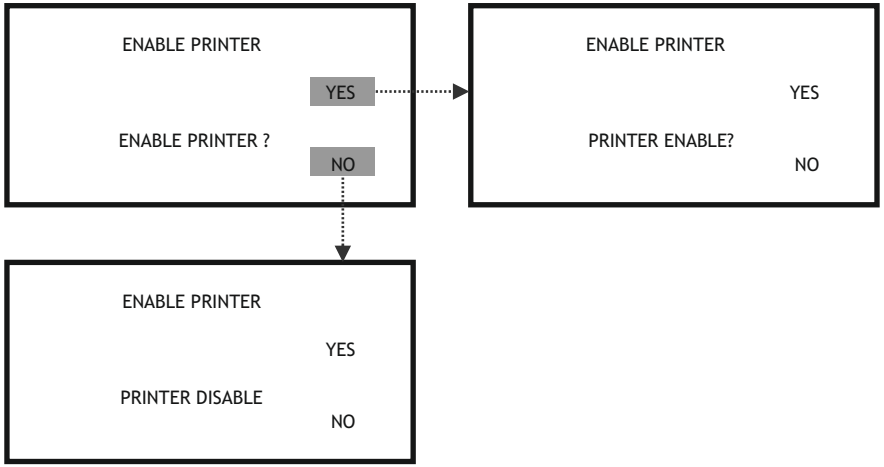
Insert the thermal paper roll by placing the sensitive side facing down. The sensitive paper side is recognizable by its smoother face.





User may operate the instrument by disabling the printer from the utility menu.

If the printer is in its Disabled mode then it will display following screen asking the user whether to enable or disable the printer.



6. INSTALLATION AND START-UP INSTRUCTIONS

6.1. Unpacking Instructions:
Check accessories as per packing list.

6.1.1. Packing List
1. Instrument
2. Adapter
3. Paper Roll
4. User Manual

Note: Read the operating manual for URICHA carefully before the first startup in order to ensure an error free operation.

Kindly store all packing materials so as to use it to re-pack and ship for maintenance or servicing.

6.2. Placing the Instrument:

1. The instrument has to be placed on a hard, even surface level bench.
2. Room temperature has to be between 18 °C and 35°C with a relative humidity below 85%.
3. Do not place the instrument near strong electromagnetic fields.
4. Do not place the instrument near heating plates, ovens or radiators.
5. Do not expose the instrument to strong light sources (i.e. direct sunlight)
6. Maintain the instrument in a clean, relatively dust free environment to ensure maximum Performance.

6.3. Power Supply

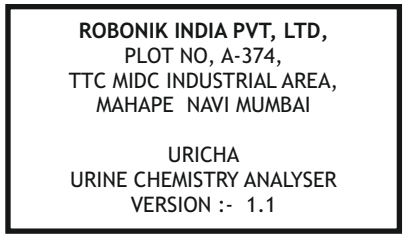
Instrument is directly run on AC-DC switching adaptor.
Use only recommended adapter. An adapter should be CE marked.

The specifications of AC-DC switching adapter is,
INPUT: 100 – 240V, 50-60 Hz, 0.5A. (Min)
OUTPUT: 12V DC, 1.50A. (Min)

6.4. Protective Grounding
Warning: Make sure that electrical power source is properly grounded.

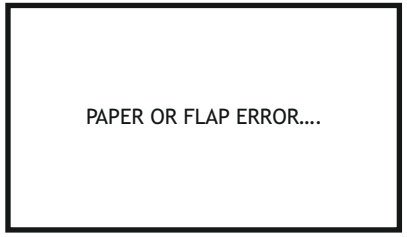
6.5. START-UP Instructions:

1. Switch on the instrument.
2. The instrument initializes all the parameters internally, and carries out a power on self-test and then displays the following screen.

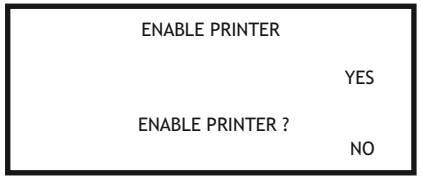


3. If printer is enabled, Model Name will be printed along with Clinic Name, Date & Time.

4. And by default if Printer flap is not closed then it will display the following screen after the initial address screen.

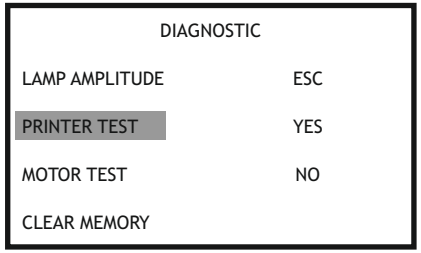


Remember that if the printer is in its Disabled mode then after selecting START PRINT it must display following screen.



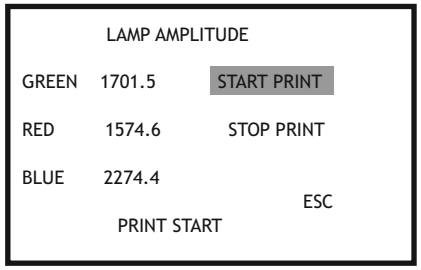
On selecting YES option it will start taking the printout of Lamp Amplitudes; whereas on selecting NO option it will continue with its Disabled mode.

8.2.2. Printer Test
To check the printer, select “Printer Test” option. On selecting “Printer Test”; it will print the Model Name, Version no. & the Clinic Name. And if printer is in disabled mode then it will not print any of the details related to the instrument.

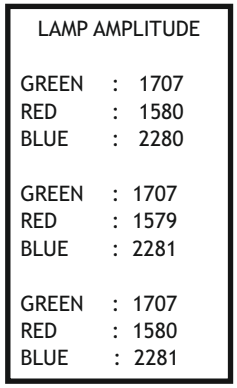


The printout will be displayed as follows:

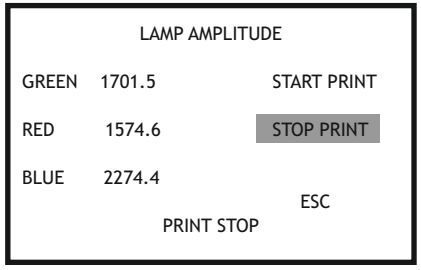
On selecting “Start Print” option; it will print the amplitudes of “Green, Red & Blue” until user selects the “Stop Print” option. When user selects the “Start Print” option it displays the msg string 'Print Start'.



The printout of the Lamp Amplitude:

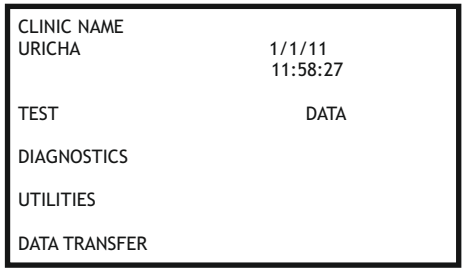


On selecting “Stop Print” option; the printer must stop printing the Lamp Amplitudes. It displays the msg string 'Print Stop' after selecting the “Stop Print” option.



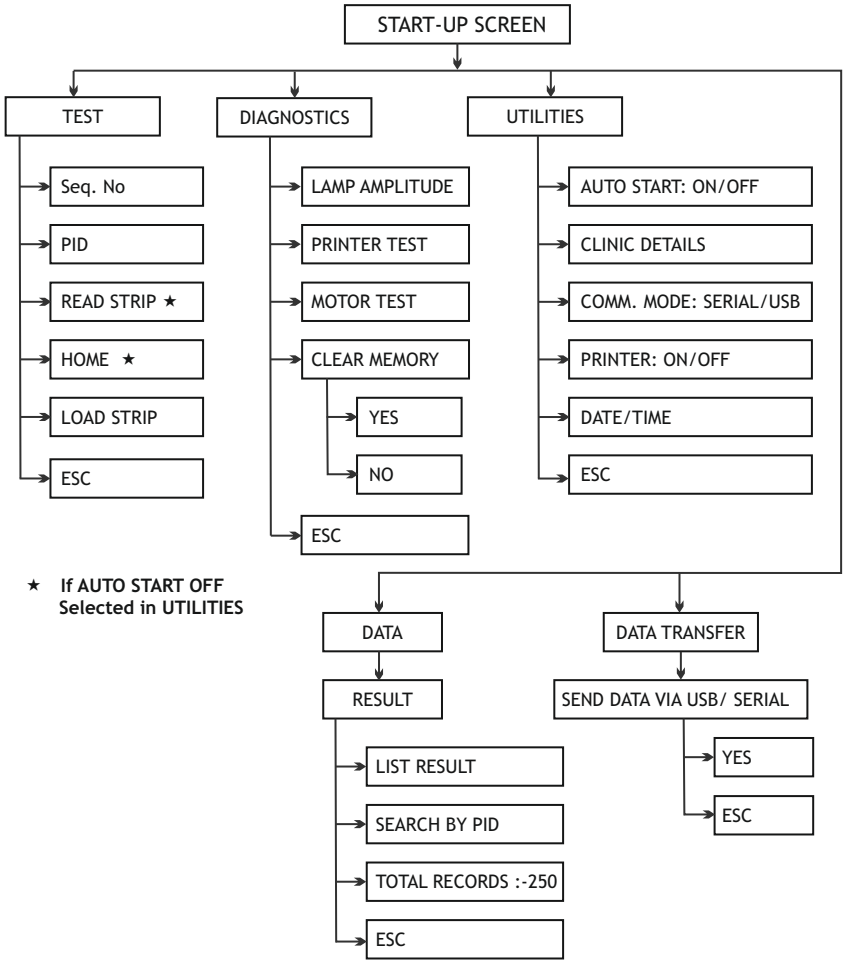
“ESC” option of the Lamp Amplitude screen will help the user to come out of the Lamp Amplitude screen to the Diagnostic screen.

5. START UP Screen appears.



6. START UP screen consists of following menus:
   1. TEST
   2. DIAGNOSTICS
   3. UTILITIES
   4. DATA TRANSFER
   5. DATA

7. FLOWCHART REPRESENTATION:



After reading the strip, the strip holder move to load strip position. After reading is over strip holder come out and the result is displayed on the screen as shown below-

```
                RESULT
27/4/11         13:55:12
SEQ NO 1
PID                              ESC
*BLD      10    Ery/ul     +
*UBG       8    mg/dl     +++     PRINT
*BIL       1    mg/dl      +
*PRO     100    mg/dl     ++
*NIT     POS               +
*KET      25    mg/dl      +
 GLU   NORM
   PH        5
   SG   1.030
 LEU    NEG
```

By default the Test Result is saved which cannot be deleted. It can be erased through "Clear Memory" option present in the Diagnostic screen.

★ **To start new measurement press 'ESC' and Load the new strip.**

8.2. Diagnostics

Select DIAGNOSTICS from the Main menu, it will display the following screen.

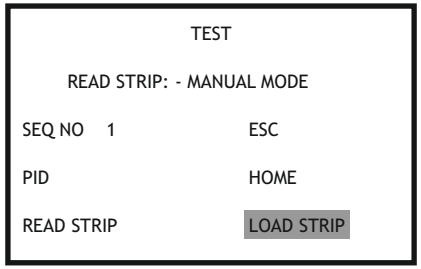
```
          DIAGNOSTICS

LAMP AMPLITUDE          ESC
PRINTER TEST            YES
MOTOR TEST              NO
CLEAR MEMORY
```

8.2.1. Lamp Amplitude

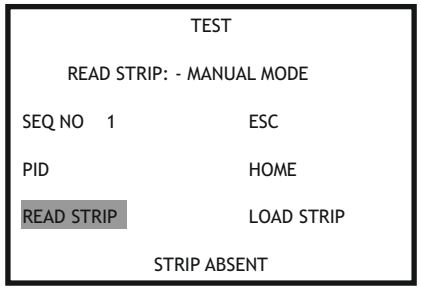
On selecting "Lamp Amplitude", it will display the following screen.

```
          DIAGNOSTICS

LAMP AMPLITUDE          ESC
PRINTER TEST            YES
MOTOR TEST              NO
CLEAR MEMORY
```

```
          LAMP AMPLITUDE

GREEN    1701.5         START PRINT
RED      1574.6         STOP PRINT
BLUE     2274.4
                        ESC
```

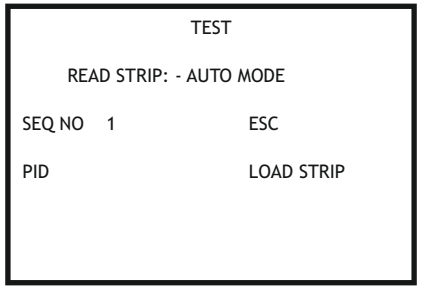


If the strip holder is at HOME position then Select LOAD STRIP.



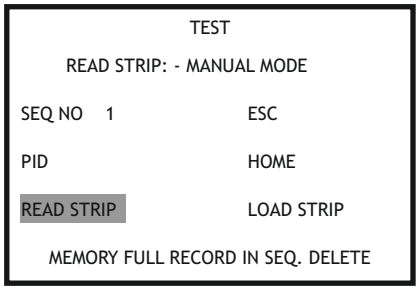
"Read Strip" option helps the user to take the readings of the strip. If strip is not loaded on the strip holder, then it will display the error message 'STRIP ABSENT'.
Load the STRIP and press READ STRIP to read the strip

Note: 1. Remember that if you change the setting of "AUTO START" in Utilities, for instance if you set" AUTO START - ON", then instrument will start in its Auto mode and will display the Test screen as follows-



Note :- When Auto Mode is selected it is not necessary to go back to the start screen, A new stick is detected at any time and the measurement is then started automatically.

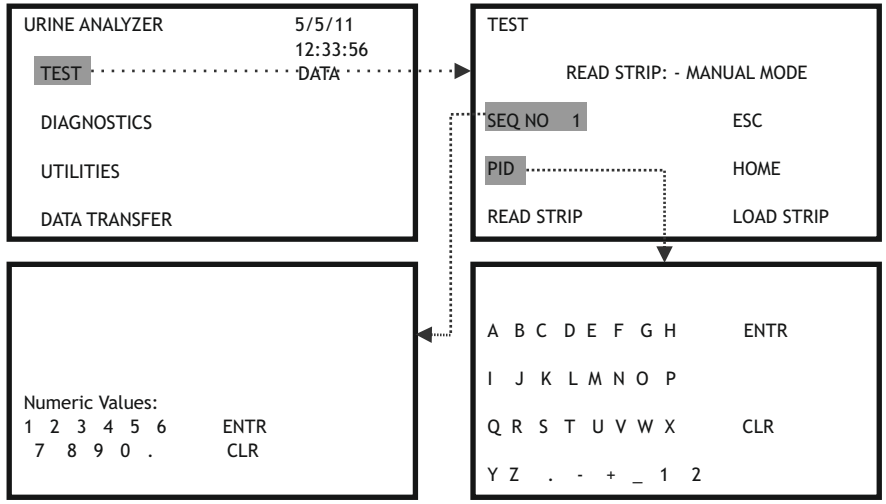
2. If storage capacity is full then after selecting Test option from the main menu it will display the message "MEMORY FULL, RECORDS IN SEQ. DELETE" at the bottom of the Test screen.



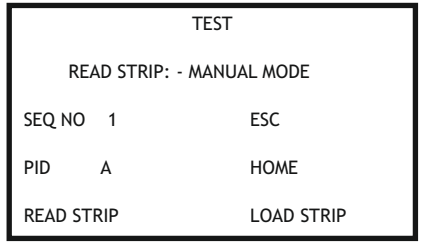
8.1.1. Analysis of TEST sticks.

❖ Let us see how readings are taken of a particular strip.

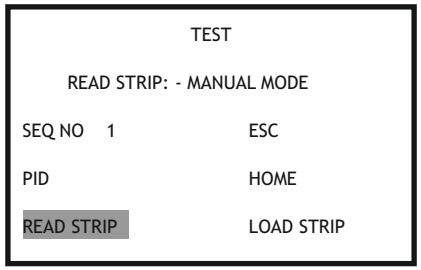
Select Test from the Main menu. Enter the Seq no. and PID of the test.



After entering the Seq no. & PID, the Test screen will be displayed as follows-

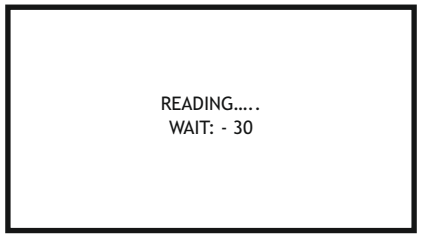


When we select Test option, by default the strip holder is already in the load position.
Now dip a test stick into the urine sample for approx. one second.
Hold by touching the edge of the strip to a paper towel to remove excess sample.
Slide or push the strip to the end of the strip holder.
Do not touch the reagent Pads on the test strip.



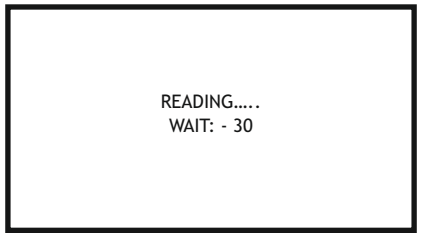
Note :- Make sure to remove excess Urine by blotting the test strip carefully an a lint-free cotton clot.

Select READ STRIP.



After selecting Read Strip, strip holder will remain in the Load position for 30 sec.

Note :- The strip will be drawn into the instrument after 30 Sec.



And again it will wait for the next 30 sec in the Home position for taking the readings.

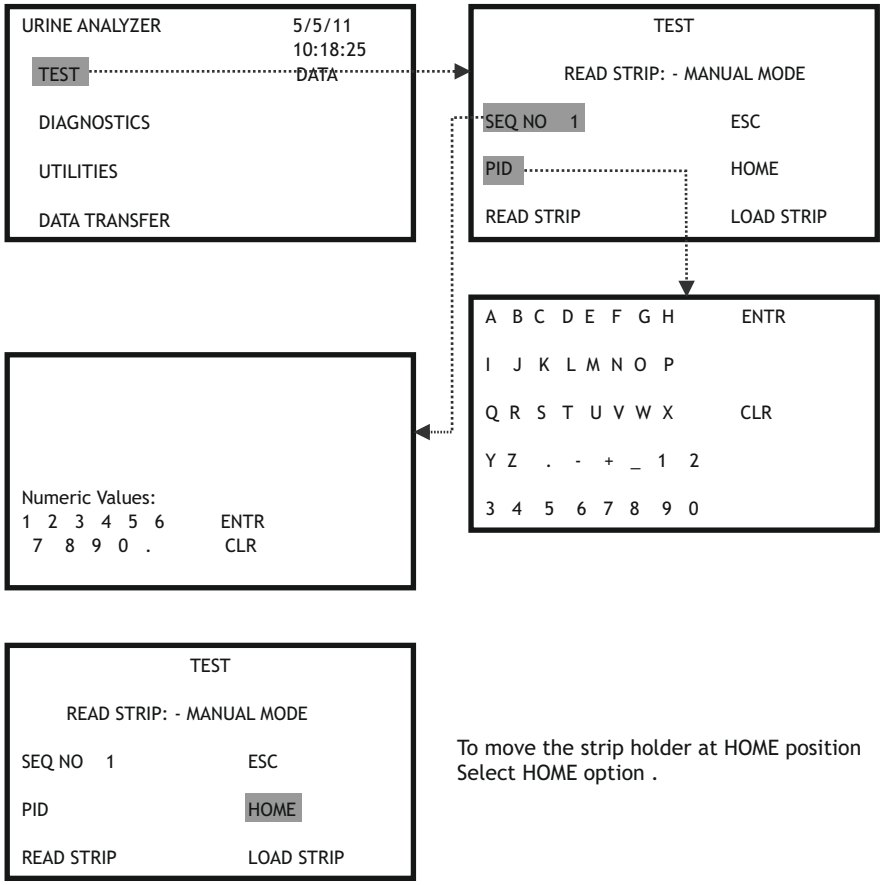
After approx. 60 sec. the result will be displayed on screen.

8. START UP SCREEN

8.1. TEST

If selected “Test” from the Main Screen, it will display the following screen which consists of Seq no., PID, Read Strip, Esc, Home & Load Strip options. **(If AUTO START OFF Selected in UTILITIES)**

On selecting “SEQ NO”, it will display the numeric screen through which you can edit the “Seq no.” Similarly, PID help the user for the identity of the patient by providing the alphanumeric screen.



To move the strip holder at HOME position Select HOME option .