

UA-60V

Veterinary Urine Analyzer

Operator's Manual



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Veterinary Urine Analyzer

Model: UA-60V

Operator's Manual

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Section 1 Introduction

The **UA-60V Veterinary Urine Analyzer** reads urine test strips. It stores results and can print reports on an optional printer without the need for special training.

The **UA-60V Veterinary Urine Analyzer** runs a self-test each time the power switch is turned on. Use only **Veterinary Urine Strips** for correct results.

Users should read this complete test procedure before performing a test using this analyzer.

Intended Use

The **UA-60V Veterinary Urine Analyzer** is intended for use in conjunction with the **Veterinary Urine Strips** for the semi-quantitative detection of the following analytes in animal urine: Ascorbic acid, Glucose, Bilirubin, Ketone (Acetoacetic acid), Specific Gravity, Blood, pH, Protein, Urobilinogen, Leukocytes, Calcium, Albumin and Creatinine as well as the qualitative detection of Nitrite. The instrument is intended for professional, *in vitro* diagnostic use only. The measurement can be used in general evaluation of health, and aids in the diagnosis and monitoring of metabolic or systemic diseases that affect kidney function, endocrine disorders and diseases or disorders of the urinary tract.

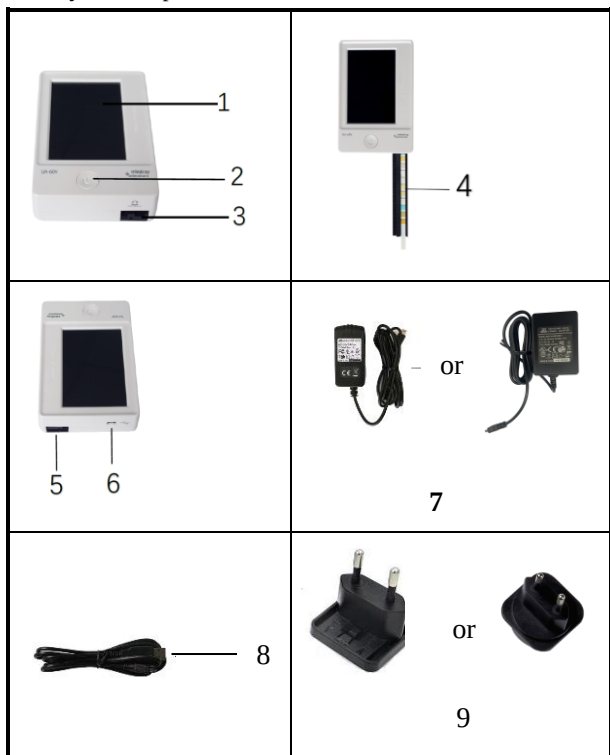
Note: Keys on the Keypad are listed in **bold**. Display items on the screen are listed in **bold italics** in the manual. Suggest to be used indoor.

Section 2 Specification

Model Number	UA-60V
Methodology	Reflectance Photometer
Detection	Photosensitive diode
Throughput	40 tests/hour (Normal test) 120 tests/hour (Fast test)
Memory	2000 results
Strip Incubation Time	1 minute
Capabilities	Optional External Printer (optional) mini USB Data Transfer Cable (included)
Analyzer Ports	Mini USB port for power and Data Transfer / External Printer
Available Languages on Screen	Chinese, English, Turkey, Spain
Analyzer Operating Conditions	32-104 F (0-40°C); ≤85% Relative Humidity (non-condensing); ≤2000M altitude
Strip Operating Conditions	59-86 F (15-30°C); ≤85% Relative Humidity (non-condensing); ≤2000M altitude
Storage condition	-4-131 F (-20-55°C); ≤85% Relative Humidity (non-condensing); ≤2000M altitude
Power Source	DC5V 1A; Adapter: input: 100-240 Vac, 50-60 Hz, 0.25 A
Weight	0.44 lbs. (0.2 kg)
Dimensions (L X W X H)	4.7" x 3.1" x 1.2" (120 mm x 80 mm x 29.5 mm)

Section 3 Analyzer Components

Analyzer Component Illustrations



tem	Name	Item	Name
-----	------	------	------

1	LCD	5	Strip holder port
2	Power button	6	Mini USB port
3	Strip holder port	7	Power adapter
4	Strip holder	8	Mini USB cable for data transfer
9	EU Transfer head		

Optional Accessories

Accessory	Name
	External printer

Section 4 Initial Startup

Carefully remove the contents of the shipping carton. Check the carton and instrument for visible signs of damage. If damaged, immediately contact the carrier. Remove wrappings and check for all items (refer to **Section 3 - Analyzer components**).

Place the instrument on a level work surface where temperature and humidity are fairly constant.

Caution: Do not use the unit or the strips outside of the operating temperature ranges listed below.

Analyzer: 32-104 F (0-40 °C)

Strips: 59-86 F (15-30 °C)

Do not place the analyzer outside or near windows, ovens, hot plates, or radiators.

4.1 Plugging analyzer in

Plug the appropriate end of the power cord into the Mini USB port located on the back of the analyzer. Plug the other end of the power cord into the adapter, and then plug into an AC electrical wall outlet.

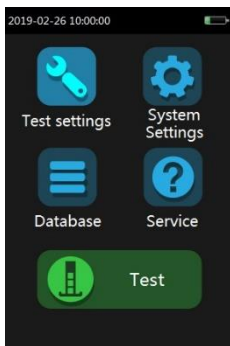
4.2 Interfacing to a Computer (Optional)

The instrument can send results to a computer via the serial port or the mini USB port located on the back of the analyzer.

Section 5 Analyzer Setup

5.1 Power on

Press and hold the **power button** about 2 seconds, the analyzer will run a self-test. After the self-test is finished, the analyzer will enter to the Initial screen.



Initial Screen

5.2 Test Settings

On the initial screen press **Test Settings** option and the Test Settings screen will be displayed.

Test Settings Screen

Press  to go back to the initial screen.

5.2.1 Type of Strip

Select ***Type of Strip*** and press ***Strips-11*** to change the type of strip used. Each strip type name defines the number of test parameters.

Note: Ensure the type of strip selected corresponds with the strip to be used. If it does not, an error message will be displayed.

5.2.2 Test Mode

There are three test mode options. Press ***Routine*** to change the ***Mode***.

Routine Test

Use for normal urine testing. The default test number ranges from 0-0001 to 0-9999.

QC Test

Use to test positive/negative controls. The test number ranges from 1-0001 to 1-9999.

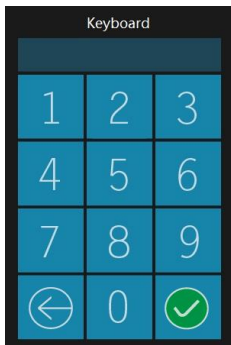
Note: Ensure **QC Test** mode is used for testing positive and negative controls. Use of any other mode will report the testing results as a regular specimen and will not display proper “Pass/Fail” QC test results.

5.2.3 Test Number

Select the test number after **Test Number** option to be able to enter a new screen for input a new test number. Enter the new Test Number. Press  to confirm and back to the Test Settings screen. Press  to delete any changes and keep the existing number and back to the Test Settings screen.

The first digit in the number depends on the Test Mode. The first digit will be **0** for **Routine**, **1** for **QC Test**. This first digit is fixed and cannot be changed. The test number of the next run will be set sequentially from the inputted number.

Note: Specimens may be assigned the same test number, while the specimens with the same test number can be distinguished by test date and time in the Database.



5.2.4 Unit

Select **SI** to cycle the units between **Conventional** or **SI** units.

Note: Arbitrary results will always be printed.

5.2.5 Operate Mode

Select **Operate Mode** and press **Fast Test** to cycle the settings to **Normal Test** or **Fast Test**.

Normal Test

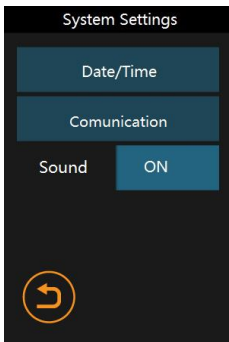
Test one strip at a time. **Normal** Test Mode performs 40 tests / hour.

Fast Test

Test strips one after another. **Fast** Test Mode performs up to 120 tests per hour.

5.3 System Settings

On the initial screen press **System Settings** option and the System Settings screen will be displayed.



Press  to confirm the setup and go back to the initial screen.

5.3.1 Sound

Press **ON** after the **Sound** option to cycle the options to **OFF** and **ON**.

Sound - OFF

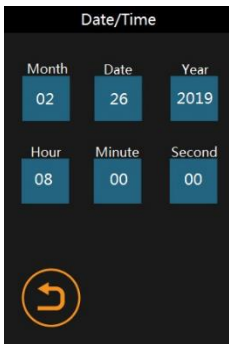
Internal speaker is **OFF** in all cases.

Sound - ON

Internal speaker is **ON** in all cases (keyboard and prompts).

5.3.2 Date/Time

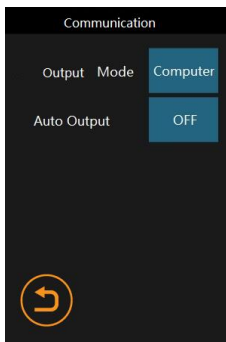
Press **Date/Time** option to display the screen to change the date/time.



The date and time is displayed as the current format settings. Press the relevant data to enter a new screen for input a new test number. Enter the new data. Press  to confirm and back to the Date/Time screen.

5.3.3 Communication

Press **Communication** to display the Communication screen,

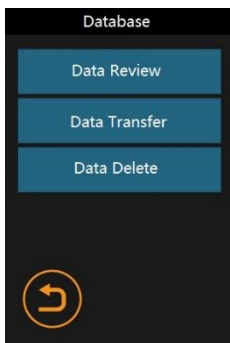


Output mode: Press Printer to cycle the settings as Printer and Computer. When setup as **Printer**, the external printer will automatically print the results after the external printer is connected. When setup as **Computer**, the external printer will not print the results but the relevant software can receive the data sent after connected.

Auto Output: Press **ON** to cycle the settings as ON and OFF. When setup as **ON**, the analyzer will transfer the data to the computer or LIS by mini USB cable. When setup as **OFF**, the data will not be transferred.

5.4 Database

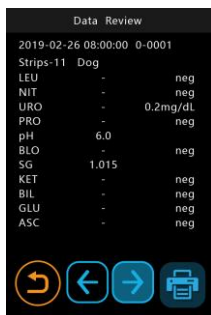
On the initial screen press **Database** option, the Database screen will be displayed.



After the setup is finished, press  to go back.

5.4.1 Data Review

Press **Data Review** to display the latest data in the database.



Press  to view the previous record.

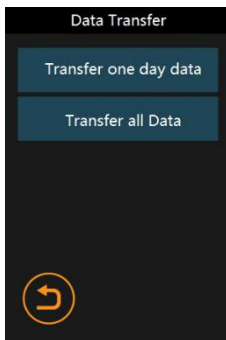
Press  to view the next record.

Press  to print current record.

Press  to go back.

5.4.3 Data Transfer

Press **Data Transfer** to display the Data Transfer screen.

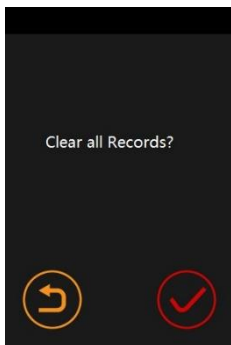


Two types for chose, transfer all records and Transfer one day data.

Press  to go back.

5.4.4 Data Delete

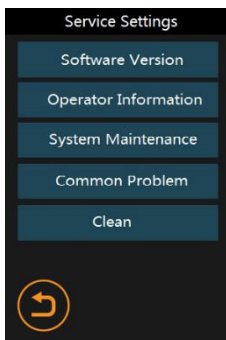
Press **Data Delete** to display the screen.



Press  to cancel and go back. Press  to delete all the records stored in the database and go back.

5.5 Service Settings

In the initial screen press ***Service Settings*** to enter to the service settings screen.



In this screen, you will check five options, Software Version, Operate Information, System Maintenance, Common Problem and Clean.

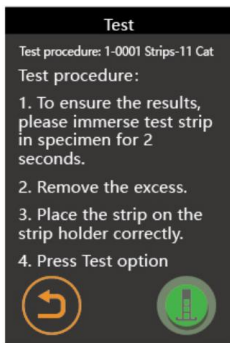
After the setup is finished, press  to go back.

Section 6 Analyzer Operation

6.1 Power on

Press and hold the **power button** about 2 seconds, the analyzer will run a self-test. After the self-test is finished, the analyzer will enter to the Initial screen. If the self-test fails, please check the Section 8.

See Section 5 to reset the settings if needed and then press Start Test option. Wait for the Strip Holder to extend completely out.



6.2 Sample/Strip Preparation

Allow the strip, urine specimen, and/or controls to reach room temperature at 59-86 °F (15-30 °C) prior to testing.

Note: Only **Veterinary Urine Strips** work with the **UA-60V Veterinary Urine Analyzer**. Use of any other

strips will produce inaccurate results.

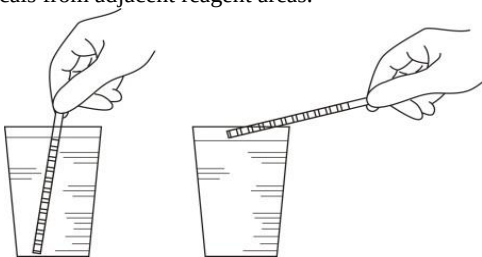
Remove the strips from the closed canister. Use them as soon as possible. Tightly close the canister after removing the strips.

6.3 Testing procedure

Press **Start Test** for the strip prompt. Wait for the audible beeps to immerse the strip.

Upon hearing the beep and/or seeing the countdown clock reach 62, completely immerse the reagent areas of the strip in fresh, well-mixed urine. Immediately remove the strip to avoid dissolving the reagents.

Run the edge of the strip against the rim of the urine specimen container to remove excess urine. Hold the strip in a horizontal position. Bring the edge of the strip into contact with an absorbent material (e.g. a paper towel). This prevents mixing chemicals from adjacent reagent areas.



Place the strip with the reagent area facing up, onto the Strip Holder Channel. Make sure the strip end touches the Strip Holder Backstop.



Note: When the countdown clock on the display reaches 1, the Strip Holder will carry the strip inside and begin testing.

An automatic calibration is done before each test.

The results will be displayed on the screen and stored in memory after each test. Any abnormal results will be marked with asterisk before the parameter on the screen and flagged on the print out.

If *Auto print* is set to *ON* the results will be printed.

Remove the used strip from the Strip Holder when the strip carrier moves out. Discard the used strip according to local regulations.

Repeat the previous steps to test more urine.

Urine Controls QC Testing

Ensure the operating **Mode** is set to **QC**. All test numbers in QC mode will begin with **1**. This allows results to be searched for and found easily.

Strip Preparation

Allow the strip and urine controls to reach room temperature

at 59-86 F (15-30 °C) prior to testing.

Note: Use **Veterinary Urine Strips** for proper functioning and accurate results.

Remove strips from the closed canister and use them as soon as possible. Close the canister tightly immediately after removing the strips.

Urine Control Test Procedures

The urine control test procedures are the same as specimen test. Refer to Section 6 - Analyzer Operation.

The results obtained during the Quality Control test will be referenced by the analyzer with pre-programmed target values and the report is generated. If **Auto Output** is set to **ON**, the results will be printed.

If the QC test "Fails", please contact your local distributor for Technical Support.

Section 7 Data/Communication

The mini USB ports can communicate with an external (optional) PC.

Connect mini USB cable to the back of the analyzer to a PC with suitable software.

Data Format	
Baud Rate	9600
Data Bit	8
Parity	0
Stop Bit	1
Flow Control	None

External Printer

The External printer port can connect to an optional external printer for printing data.

Note: Peripheral equipment such as computer which is intended to be connected with meter shall conform to relevant safety standard.

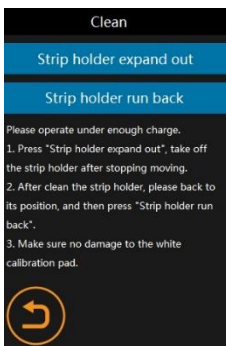
Section 8 Maintenance

8.1 General Cleaning

Keep the external of the instrument free of dust at all times. If needed, the exterior may be cleaned using a damp cloth. Do not use any type of solvent, oil, grease, silicone spray, or lubrication on any part of the instrument.

8.2 Daily Cleaning

Enter to the Service screen, press **Clean** option. The Clean screen will be displayed.



8.2.1 Remove the Strip Holder

Press Strip holder expand out option, the strip holder will be fully expand out.

Hold the end of the both sides of the strip holder, gently lift up, then you can download the stage after unloading and pull out.

8.2.2 Clean the Strip Holder

Clean the Strip Holder using a lint free/non-absorbent cotton swab/ball with distilled water. Dry with a clean, dry cotton ball.

Examine the White Calibration Circle to ensure there are no nicks or dirt present. Clean the White Calibration Circle as necessary using a cotton swab or cotton ball with distilled water. Dry with a clean, dry cotton ball.

8.2.3 Install the Strip Holder

Hold the rear end of the Strip Holder, inserted into the rack gently to decentralization, then press the “Strip holder run back” option, the analyzer will automatically run back the strip holder.

8.3 Sample Deposit Cleaning

Remove the Strip Holder as above.

Clean the Strip Holder using a lint free/non-absorbent cotton swab or ball dampened with 0.1 N NaOH.

Warning: Do not allow the NaOH solution to touch the White Calibration Circle.

Clean the excess NaOH from the Strip Holder using a cloth moistened with distilled water.

Dry the Strip Holder with a clean lint free non-absorbent cotton swab or ball.

Replace the Strip Holder and return the Strip Holder to its original position as described above.

8.4 Strip Holder Sterilization

Remove the Strip Holder and repeat Daily Cleaning above.

Clean the Strip Holder using a lint free non-absorbent cotton swab or ball with one of the following sterilizing solutions:

1. 2% Glutaraldehyde (sufficient density): Refer to detailed instructions on the product label.
2. 0.05% Sodium Hypochlorite Solution: Add 1 mL 5% Sodium Hypochlorite into 99 mL distilled water, or prepare a 1:100 dilution ratio with appropriate final volume.
3. Isopropyl alcohol (70-80%).

Pour the sterilizing solution into a narrow vessel 4 inches (10 cm) high.

Dip the Strip Holder into the sterilizing solution

Caution: Ensure the White Calibration pad does not touch the solution.

Soak the Strip Holder in the sterilizing solution for 10 minutes.

Remove the Strip Holder, clean and dry it.

Load the Strip Holder and return the Strip Holder to its original position.

8.5 Used strips discard

Remove used strips and discard the used strips according to local regulations.

8.7 Troubleshooting

Problem		Solutions
No display on screen		1. Check if the power is normal, if normal check next steps. 2. Check when press the power button if it is normal.
Self-test failure	Optical sensor failure	1. Ensure the white Calibration Circle is clean 2. The strip holder is loose, re-install it and then reboot it.
	Mechanism Failed	Remove any obstacles in the path of the Strip Holder.
Strip Holder stuck		Clean the strip stuck in the analyzer, and reboot
Data transfer failure		1. Make sure the cable is connected OK. 2. Make sure the Auto Print is setup as ON.
Low battery power		Use the power adapter and power cable for the power source
No Strip		Insert strip
Strip Position Improper		Adjust the strip so the strip end is completely touching the Strip Holder Backstop and centered in the Strip Holder Channel

Section 9 Precautions

Follow the precautions listed below for accurate results and operation of the analyzer.

- For in vitro diagnostic use only.
- The protection provided by the equipment may be impaired if used in a manner not defined in this user guide.
- Wear gloves to avoid contact with potentially hazardous biological samples during processing strips, or analyzer components.
- Avoid storing or operating the analyzer in direct sunlight, excessive temperature or humidity. Refer to Appendix 1 - Urine Analyzer Specifications for operating condition requirements.
- Never place anything within 7 cm of the front of the unit. This will avoid interference with the Strip Holder.
- Keep the unit clean. Wipe it frequently with a soft, clean and dry cloth. Use fresh water when needed.
- Do not clean the unit with substances such as gasoline; paint thinner, benzene compounds or other organic solvents. This will avoid any damage to the Strip Holder, White Calibration Circle, or other components.
- Do not wash the LCD with water. Lightly wipe the LCD with a clean, soft and dry rag.
- The Strip Holder must be kept clean. Wipe the Strip

Holder using fresh water daily. Refer to Daily Cleaning in Section 8.

- Follow all local regulations when discarding the unit or its accessories.
- Do not use the unit or the strips outside of the operating temperature ranges listed below.

Analyzer: 32-104 F (0-40 °C)

Strips: 59-86 F (15-30 °C)

- Store the components of your urine analyzer test system where children or pets are not exposed. There is a risk of suffocation if swallowed.
- When equipment is used by children, people with disabilities or patients, or used for them, or used nearby, it is necessary to conduct close surveillance.
- Use a constant current to use the instrument.
- Before using, please check that the voltage setting matches the required power supply voltage of the instrument.
- When the instrument is plugged in, do not leave the device in an unattended state.
- Unplug the plug immediately after using the instrument.
- Do not put the instrument in a liquid or place it where it may fall into the liquid. If the instrument gets wet, unplug the power before touching the instrument.
- Do not use the instrument if it is not working properly or

has been damaged.

- Do not expose the instrument or its cord to a surface that is too hot to reach.
- Do not place anything on top of the instrument.
- Do not use the instrument where aerosol aerosols or oxygen are being managed.
- Please do not use the instrument outdoors.
- Do not drop or place any items into the opening, piping or seams of the instrument unless specifically required in the instruction manual.
- Please use fresh urine as a urine test. Do not add preservatives to the urine sample. The container containing the urine sample must be cleaned to prevent residual detergent and disinfectant from interfering with the measurement.
- Taking and injecting a large amount of vitamin C may result in low nitrite, bilirubin, urinary biliary, glucose, and occult blood test results and false negatives. Please stop taking it for 10 hours.
- Due to the low specific gravity urine, alkaline urine, high room temperature and long-term storage of urine-like white blood cells, the white blood cell measurement results are higher than the microscopic results, so fresh urine samples should be used as much as possible.
- Urine samples for nitrite determination are best retained

in the bladder for more than 4 hours.

- The temperature is preferably 15~30 ℃, and the temperature is too high or too low will affect the accuracy of the measurement results.
- Avoid placing the instrument in a place where it is tilted or shaken. Pay special attention to separate the instrument from the centrifuge to prevent resonance.
- Try to prevent bending deformation when the test strip is infiltrated with urine to avoid the test strip jamming inside the instrument.
- When moving the instrument, please be careful to avoid violent impact. Pack the instrument when transporting it at a long distance to minimize vibration.
- This product can work normally at an altitude of 2000 meters below sea level.
- In a dry environment, especially when using the instrument in a dry environment with artificial materials (artificial fabrics, carpets, etc.), it may cause damaging electrostatic discharge, leading to erroneous conclusions.
- Do not use the instrument near strong sources of radiation, such as unshielded RF sources, as this may interfere with proper operation of the instrument.
- The urine analyzer is stopped due to maintenance or disposal and must be cleaned and disinfected before being transported or disposed of.
- The minimum sales unit of this product is carton

packaging. This carton packaging cannot be transported directly. Please choose the corrugated carton of suitable size and hardness according to the distance of transportation and the transportation mode. Put the carton packaging in corrugated box to transport.

- **WARNING:** Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- The use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
- **WARNING:** Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the analyzer, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
- Following degradation caused by Electrostatic Discharge or Electrical fast transients/burst could be accepted because it will not lead to unacceptable risks and it will not result in the loss of basic safety or essential performance:
- Vertical bars appear on the screen, it can recover to

previous condition by operator manually by restart the power switch.

- Data transmission stopped, the transmission could be restarted by operator manually by restart the power switch or re-insert the data cable.
- EMI Compliance

Table 1 - Emission

Phenomenon	Compliance	Electromagnetic environment
RF emissions	CISPR 11 Group 1, Class B	Professional healthcare facility environment and Home healthcare environment

NOTE The EMISSIONS characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.

- EMS Compliance

Table 2 - Enclosure Port

Phenomenon	Basic EMC standard	Immunity test levels
		Professional healthcare facility environment
Electrostatic	IEC 61000-4-2	±2 kV, ±4kV contact

Discharge		$\pm 2\text{kV}$, $\pm 4\text{kV}$, $\pm 8\text{kV}$ air
Radiated RF EM field	IEC 61000-4-3	3V/m 80MHz-2.0GHz 80% AM at 1kHz 1V/m 2.0GHz -2.7GHz 80% AM at 1kHz
Proximity fields from RF wireless communications equipment	IEC 61000-4-3	Refer to table 3
Rated power frequency magnetic fields	IEC 61000-4-8	3A/m 50Hz or 60Hz

Table 3 – Proximity fields from RF wireless communications equipment

Test frequency (MHz)	Band (MHz)	Immunity test levels
		Professional healthcare facility environment
385	380-390	Pulse modulation 18Hz, 27V/m
450	430-470	FM, $\pm 5\text{kHz}$ deviation, 1kHz sine, 28V/m
710	704-787	Pulse modulation 217Hz, 9V/m
745		
780		
810	800-960	Pulse modulation 18Hz, 28V/m
870		
930		
1720	1700-1990	Pulse modulation 217Hz, 28V/m

1845		
1970		
2450	2400-2570	Pulse modulation 217Hz, 28V/m
5240	5100-5800	Pulse modulation 217Hz, 9V/m
5500		
5785		

Table 4 – Input a.c. power Port

Phenomenon	Basic EMC standard	Immunity test levels
		Professional healthcare facility environment
Electrical fast transients/burst	IEC 61000-4-4	± 1 kV 5kHz repetition frequency
Surges Line-to-line	IEC 61000-4-5	± 0.5 kV, ± 1 kV
Conducted disturbances induced by RF fields	IEC 61000-4-6	3V, 0.15MHz-80MHz 80%AM at 1kHz
Voltage dips	IEC 61000-4-11	0% of U_T (supply Voltage) for 1period 40% of U_T (supply Voltage) for 5 period 70% of U_T (supply Voltage) for 25 period At 0 ° and 180 °
Voltage interruptions	IEC	0% U_T ; 250cycles

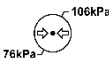
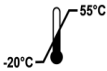
	61000-4-11	At 0 ° and 180 °
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Table 5 – Signal input/output parts Port

Phenomenon	Basic EMC standard	Immunity test levels
		Professional healthcare facility environment
Electrical fast transients/burst	IEC 61000-4-4	±1 kV 5kHz repetition frequency
Conducted disturbances induced by RF fields	IEC 61000-4-6	3V, 0.15MHz-80MHz 80%AM at 1kHz

Appendix 1 Index of Symbols

	Power Button	SN	Serial number
	Mini USB port		CE marked product
reset	Restore Default Button		Caution
	Manufacturer		Biological hazard
	Consult instructions for use		For installing the strip holder
	Model Number		Keep dry
	Keep away from sunlight and heat		Fragile, handle with care

	Transportation and storage humidity: ten % - 90 %		Atmospheric pressure of Transportation and storage: 76kPa - 106kPa
	Transportation and storage temperature: -20°C- 55°C		Operating temperature: 0 °C-40 °C
	WEEE Symbol		This side up

Appendix 2 Warranty

Please complete the warranty card included in the packaging. Mail it to your local distributor to register your purchase within 30 days of purchase.

For your records, write the purchase date of your starter kit here:

Note: This warranty applies only to the analyzer in the original purchase. It does not apply to the other materials included with the analyzer.

Mindray animal medical warrants to the original purchaser that this analyzer will be free from defects in materials and workmanship for a period of one year (12 months). The one year starts from the later of the date of original purchase or installation (except as noted below). During the stated one year period, **Mindray animal medical** shall replace the unit under warranty with a reconditioned unit or, at its option, repair at no charge a unit that is found to be defective. **Mindray animal medical** shall not be responsible for shipping charges incurred in the repair of such an analyzer.

This Warranty is subject to the following exceptions and limitations:

This warranty is limited to repair or replacement due to defects in parts or workmanship. Parts required which were not defective shall be replaced at additional cost. **Mindray animal medical** shall not be required to make any repairs or

replace any parts that are necessitated by abuse, accidents, alteration, misuse, neglect, failure to operate the analyzer in accordance with the operations manual, or maintenance by anyone other than **Mindray animal medical** . Furthermore, **Mindray animal medical** assumes no liability from malfunction or damage to analyzers caused by the use of strips other than strips manufactured by **Mindray animal medical** . **Mindray animal medical** reserves the right to make changes in the design of this analyzer without obligation to incorporate such changes into previously manufactured analyzers.

Disclaimer of Warranties

This warranty is expressly made in lieu of any and all other warranties express or implied (either in fact or by operation of law) including the warranties of merchantability and fitness for use, which are expressly excluded, and is the only warranty given by **Mindray animal medical** .

Limitations of Liability

In no event shall **Mindray animal medical** be liable for indirect, special or consequential damages, even if **Mindray animal medical** has been advised of the possibility of such damages.

For warranty service, please contact your local authorized **Mindray animal medical** distributor.