

3-channel Veterinary Electrocardiograph Quick Reference Card

1. **Operation Preparations:** Connect the power cord (with mains supply used)->Connect the earth wire (when necessary)->Load the recording paper->Connect the patient cable to the socket on the right side of the unit->Clean the electrode area on the animal with alcohol and daub the gel->Connect all the electrodes.
2. **Switch On:** Turn on the power switch on the left side of the unit (with mains supply used), and then press **ON/OFF** key on the control panel to turn on the unit. While built-in rechargeable battery used, press **ON/OFF** key directly to turn on the unit.
3. **Main interface Operation:** The contents displayed on the main interface include Record Mode, Hint Information, Sex, Age, Lead Name, Sensitivity, Heart Rate, Battery Indicator and ECG signal. Press **Up** or **Down** key to select Sex or Age item on the main interface. Then press **Left** or **Right** key to modify it.
4. **Menu Settings:** Press the **MENU** key to enter menu window, and press the **MENU** key again to exit the menu window. In the menu window, the user can press **Up** or **Down** key to select menu items and press **Left** or **Right** key to modify the settings of these items. The user can also press **LEAD** key to turn the pages.
5. **Mode Selection:** Press **MODE** key to choose the record mode: AUTO, MANUAL, RHYTHM, USBPRT or OFF.
6. **Mode operation:**
 - 1) **AUTO Mode:** Press **PRINT/STOP** key to start to record. Under AUTO mode, the lead groups are switched in order automatically while recording. If ECG signal of one lead group has been recorded, it will be switched to another lead group automatically and begin to record the ECG signal of that lead group. And there will be a blank on the recording paper before recording the next lead group. Moreover, a 1mV calibration mark will be printed out at the beginning of recording. Recording will stop automatically after printing out a full ECG.
 - 2) **MANUAL Mode:** Press **PRINT/STOP** key to start to record. Under MANUAL mode, the user should switch the lead group manually. The user can determine which lead group needs to be recorded and set the record settings or other parameters according to different lead group. After finishing one lead group's record, **LEAD** key can be pressed to select another lead group and start recording. When completing the recording of all leads that need to be recorded, press **PRINT/STOP** key to stop. During recording, **1mV/COPY** key can be pressed to print out a 1mV calibration mark on the record paper.
 - 3) **RHYTHM Mode:** Under RHYTHM mode, the user can record 60s rhythm-lead ECG waveform. The rhythm lead can be one of 7 standard leads. If RR Analysis is set as On, after recording 60s rhythm waveform, RR Analysis results, including RR Interval measurement information, RR Histogram and RR Trend Chart, will be recorded.
 - 4) **USBPRT Mode:** Under USBPRT mode, ECG report can be printed out by USB printer. Printing will stop automatically after printing out a full ECG report. The ECG report includes 7 lead synchronous ECG wave, animal information and measurement information.
 - 5) **OFF Mode:** Under OFF mode, the sampled ECG waves will not be recorded. The average template and/or measurement information can be recorded according to the settings made by the user.

Note: Whether under auto or manual mode, if **PRINT/STOP** key is pressed to stop recording

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while printing out the record, ID number will change automatically when **PRINT/STOP** key is pressed again to begin a new record. To keep the ID number unchanged, the user should adjust it manually, and then begin a new record.

Note: Only the USB equipments recommended by the manufacturer can be connected to the USB interface.

7. **ECG Recall Operation:** Press **RECALL** key to enter the recall window where patient files are saved. The recall window allows files to be stored, deleted, printed and transmitted. When there is no space for more records to be stored in the recall window, the message “Mem Full” is displayed.
 8. **Record Contents:** Including sensitivity, filter settings, date and time, 1mV calibration mark, lead name, ECG, record speed, version number, average template, measurement etc.
 9. **Switch Off:** After all recording finished, press **ON/OFF** key to switch off the unit. If mains supply used, mains power switch should be pressed to power off the unit, and pull out the power cord from the outlet.
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ATTENTION:

- 1) The electrocardiograph is provided for the use of qualified physicians or personnel professionally trained. And they should be familiar with the contents of the user manual of 3-channel Veterinary electrocardiograph before using.
- 2) Only patient cable and other accessories supplied by the manufacturer can be used. Or else, the performance and electric shock protection can not be guaranteed.
- 3) Be sure that all electrodes have been connected to the animal correctly before operation. And be sure that the conductive parts of electrodes and associated connectors, including neutral electrode, should not contact with earth or any other conducting objects.