SonoScape
Unlocking Life's Potential

ProPet Max 85
Quick Start Guide





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NOTE:

- <Function Key> 16 is used according to the prompts.
- You can customize the functions of <Blank> keys 25 in system settings.
- The system is intended for veterinary use only. Do not use on human body.

This guide is developed based on the maximum configuration and therefore some contents may not apply to your product.
For details on the operation and safety information, please refer to the relevant user manual.

SonoScape

Unlocking Life's Potential

1. Preparing the System

1. Lock the casters, connect the system to the supply mains, and set the power switch on the power supply panel to the < | > position. Press < ⏻ > key 1 on the control panel to power on the system.
2. Grip the upper and lower sides or the left and right sides respectively to adjust the angle of the monitor.
3. Use <Swivel> key 27 and <Up/Down Control> key 28 on the handle to adjust the horizontal position and height of the control panel.

2. Getting Started

Tap < > to enter the New Animal screen, and input the animal information.

Tap < > to select a probe and an exam type.

3. Scanning and Processing

B Mode

1. Press <B> key 4 to enter B mode.
2. Rotate <B> key 4 to adjust the gain, and tap the parameters on the touch screen or rotate <Parameter> keys 2 to adjust the imaging parameters.

Color Flow Modes (CFM/PDI/TVI/TEI/SR Flow/Micro F/FHR)

1. Enter color flow mode in the following ways.
   - Press <C> key 4 to enter CFM mode.
   - Press <PD> key 4 to enter PDI mode.
   - Press <S-Flow> key 9 on the control panel to enter SR Flow mode.
   - Tap <TDI> on the touch screen to enter TVI mode.
   - Tap <TDI> on the touch screen, and tap <TEI> to enter TEI mode.
   - Tap <Micro Flow> to enter Micro F mode, and tap <FHR> to enter FHR mode.
2. Use <Trackball> 22 and <Set Keys> 21 to adjust the position and size of the color ROI.
3. Rotate <C> key 4 (in CFM and TDI modes) or rotate <PD> key 4 (in PDI, SR Flow, FHR, and Micro F modes) to adjust the gain, and tap the parameters on the touch screen or rotate <Parameter> keys 2 to adjust the imaging parameters.

M/Anatomical M-Mode/Curved Anatomical M-Mode

1. Press <M> key 4 to enter pre-activated B+M mode.
2. Rotate <Trackball> 22 to adjust the position of the M-line.
3. Press <Function Key> 16 or <M> key 4 to enter M mode.
4. Rotate <M> key 4 to adjust the gain, and tap the parameters on the touch screen or rotate <Parameter> keys 2 to adjust the imaging parameters.

If necessary, enter Anatomical M-Mode or Curved Anatomical M-Mode in M mode.

- [Anatomical M-Mode] Tap <AMM> on the touch screen to enter AMM mode. Tap <AMM Num.> to set the number of the M-line.
- [Curved Anatomical M-Mode] Tap <CAMM> on the touch screen to enter CAMM mode. Use <Trackball> 22 and <Set Keys> 21 to trace the curve.

PW/CW Mode

1. Press <PW> key 4 to enter pre-activated B+PW mode; press <CW> key 8 to enter pre-activated B+CW mode.
2. Rotate <Trackball> 22 to adjust the position of the sample volume.
3. In pre-activated B+PW mode, press <Set Keys> 21 and rotate <Trackball> 22 to adjust the size of the sample volume.
4. Rotate <Angle> key 5 to adjust the angle of the flow cursor.
5. Press <Function Key> 16 to activate PW/CW mode.
6. Rotate <PW> key 4/<CW> key 8 to adjust the gain, and tap the parameters on the touch screen or rotate <Parameter> keys 2 to adjust the imaging parameters.

Elastography Mode

Elasto

1. In B mode, tap <Elasto> on the touch screen to enter Elasto mode.
2. Hold the probe perpendicular to the target lesion, and press the probe regularly.
3. Use <Trackball> 22 and <Set Keys> 21 to adjust the position and size of the ROI. Tap the parameters on the touch screen or rotate <Parameter> keys 2 to adjust the imaging parameters.

P-SWE

1. In B mode, tap <P-SWE> on the touch screen to enter the pre-activated P-SWE mode.
2. Use <Trackball> 22 to adjust the position of the ROI.
3. Press <Function Key> 16 to activate P-SWE mode.
4. Keep the probe still for imaging, and tap the parameters on the touch screen or rotate <Parameter> keys 2 to adjust the imaging parameters.

S-SWE

1. In B mode, tap <S-SWE> on the touch screen to enter the pre-activated S-SWE mode.
2. Use <Trackball> 22 to adjust the position of the ROI.
3. Press <Function Key> 16 to activate S-SWE mode.
4. Keep the probe still for imaging, and tap the parameters on the touch screen or rotate <Parameter> keys 2 to adjust the imaging parameters.

Contrast Imaging Mode

1. In B mode or Color mode, identify the target tissue and observe the blood flow.
2. Tap <Contrast> on the touch screen to enter contrast imaging mode.
3. Inject contrast agents, and tap <Timer1> or <Timer2> to start timing. Tap <Retrospective> or <Prospective> to store the cine in the corresponding period.
4. Rotate <B> key 4 to adjust the gain, and tap the parameters on the touch screen or rotate <Parameter> keys 2 to adjust the imaging parameters.

Freehand 3D

1. Press <3D/4D> key 10 to enter the pre-activated 3D mode.
2. Set the scan mode, distance, or angle.
3. Set the display mode, power, and focus position.
4. Press < > key 26 to enter Freehand 3D mode.

NOTE:

- The system supports triplex mode (B+CFM/TDI+M, B+CFM/PDI/TDI+PW, and B+CFM/PDI+CW), panoramic imaging, and ATI imaging. For details, refer to the user manual.
- Press < > key 18 to enable the single/dual-split/quad-split display.
- To customize a preset, tap <Preset> on the application selection screen or press <S> key on the keyboard, and follow the system prompt to enter the User Preset menu. Input the exam name, select the application, measurement, annotation and body mark, and click <Create> to save the preset.

4. Measurement and Annotation/Body Mark

Measurement

1. Press < > key 17 to activate the measurement.
2. Tap a measurement item on the touch screen, and use <Trackball> 22 and <Set Keys> 21 to measure the target area.
3. Press <Clear> key 19 to remove all measurement markers and measurement results from the screen.

Annotation

1. Press < ABC/ > key 15 to activate annotation, move the cursor to the desired position by rotating <Trackball> 22, and tap a predefined word on the touch screen or input an annotation. Use <Set Keys> 21 and <Trackball> 22 to move the annotation to the desired position.
2. Press or rotate the key located directly below <Set Home> to set the initial position for an annotation.

Body Mark

Press < > key 6 to activate body mark and select the body mark. Rotate <Trackball> 22 to confirm the pointer position, rotate < > key 6 or <Angle> key 5 to adjust the angle, and press <Set Keys> 21 to add the body mark to the image.

5. Managing Image/Cine/Data

Storing an Image/Cine

Press <P1> key 24 to save the current image by default. Press <P2> key 24 to save the current cine by default.

Viewing an Image/Cine

Tap <Review> on the touch screen to enter the Review Exam screen, use <Trackball> 22 and <Set Keys> 21 to select the image or cine, and press <Set Keys> 21 twice to preview the selected image or cine.

Exporting/Importing Data

1. Connect a device (e.g. USB, mobile hard disk or DVD) to the system, and tap < > to enter the animal information screen.
2. Click <Animal List> to enter the Animal List screen.
   - [Export] Select the animal information and click <Export>. Select the exported device and format in the pop-up dialog box, and click <Export> to export the selected animal information to the device.
   - [Import] Select a device from the drop-down list of Data Source, select the animal information in the list, and click <Import> to import the selected animal information to the system.

Report and Print

Tap < > to view the measurement report, and click <Preview> to preview the current report. Click <Print> to print the current report.

6. Ending an Exam

Tap < > to end the current exam. Press < ⏻ > key 1 and click <Shutdown> in the pop-up dialog box to power off the system.

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