




# ProPet 80

## Quick Start Guide



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## 1. Preparing the System

1. Lock the casters and connect the power cable to the system. Set the power switch on the power supply panel to  position and press <P> key on the side 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. Press <F> key 33 and <D> lever 34 on the front handle to adjust the position of the control panel.

## 2. Getting Started

Press <Patient> key 4 to enter the New Animal screen and input the animal information.

Press <Probe> key 3 to select a probe and an exam type.

## 3. Scanning and Processing

### B Mode

1. Press <B> key 12 to enter B mode.
2. Rotate <B> key 12 to adjust the gain and rotate <Parameter Adjustment> key 2 to adjust the imaging parameters.  
【μScan】 Less speckle and noise, enhanced boundary. 【Compound】 Higher spatial resolution and signal-noise ratio. 【Gray Map】 Different levels of grayscale brightness. 【DYN】 Higher DYN for more details, lower DYN for higher contrast. 【Frequency】 Higher frequency for higher resolution, lower frequency for better penetration. 【Chroma】 Colorized image.

### CFM/PDI/TDI/Micro F/SR Flow Mode

1. Press <CFM> key 12 or tap <TDI>/<Micro F> key on the touch screen to enter CFM/TDI/Micro F mode.
2. Press <PDI> key 12 to enter SR Flow mode. Tap <SRF> key on the touch screen to enter PDI mode.
3. Use <Trackball> 31 and <Set Key> 30 to adjust the position and size of the color ROI.
4. Rotate <CFM> key 12 to adjust the gain and rotate <Parameter Adjustment> key 2 to adjust the imaging parameters.

### M/Anatomical M-Mode

1. Press <M> key 12 to enter pre-activated B+M mode. The main screen displays the B mode image and the M-line.
2. Rotate <Trackball> 31 to adjust the position of the M-line and press <Update> key 24 to enter M mode.  
If necessary, rotate <Parameter Adjustment> key 2 located directly below <AMM Angle> in pre-activated M mode to enter the pre-activated anatomical M-mode. Tap <AMM Number> key on the touch screen to set the number of the M-line. Rotate <Parameter Adjustment> key 2 located directly below <AMM Angle> or rotate <Angle> key 18 to adjust the angle of the M-line. Press <Update> key 24 to activate the anatomical M-mode.

3. Rotate <M> key 12 to adjust the gain and rotate <Parameter Adjustment> key 2 to adjust the imaging parameters.

### PW/CW Mode

1. Press <PW> key 12 to enter the pre-activated B+PW mode and tap <CW> key on the touch screen to enter the pre-activated B+CW.
2. Rotate <Trackball> 31 to adjust the position of the sample volume and angle of the sample line.  
In pre-activated B+PW mode, press <Set Key> 30 and rotate <Trackball> 31 to adjust the size of the sample volume.
3. Rotate <Angle> key 18 to adjust the direction of the flow cursor.
4. Press <Update> key 24 to activate PW/CW mode.
5. Rotate <PW> key 12 to adjust the gain and rotate <Parameter Adjustment> key 2 to adjust the imaging parameters.

### Elastography Mode

1. In B/CFM mode, tap <Elasto> key on the touch screen to enter elastography mode.
2. Hold the probe perpendicular to the target lesion, and press it regularly.
3. Use <Trackball> 31 and <Set Key> 30 to adjust the position and size of the ROI and rotate <Parameter Adjustment> key 2 to adjust the imaging parameters.  
If necessary, press <Caliper> key 26 or <Calc> key 25 to activate the Strain Ratio measurement.

### Contrast Imaging Mode

1. In B/CFM mode, identify the target tissue and observe the blood flow.
2. In B mode, press <Contrast> key 10 to enter contrast imaging mode.
3. Inject contrast agents, and select a timer on the touch screen. Press <Cine> key 29 to start recording a cine for review, and press again to stop the recording.
4. Rotate <B> key 12 to adjust the gain and rotate <Parameter Adjustment> key 2 to adjust the imaging parameters.

### 3D Mode

1. Press <3D> key 32 to freeze the image, and press <3D> key 17 to enter freehand 3D mode.
2. Use <Trackball> 31 and <Set Key> 30 to adjust the position of the image, size of the ROI, and shape of the sample line.
3. Set the display format, render mode, and other imaging parameters on the touch screen.

### NOTE:

- Press <Full> key 13 to enable a full, dual, or quad display.
- To customize a preset, select an imaging mode and adjust the imaging parameters, and press <S> key on the keyboard. Follow the prompts to enter the User Preset menu. Input the exam name, select an exam type and exam icon, and click <Create Exam> key to save the preset.

## 4. Measurement and Annotation/Body Mark

### Measurement

1. Press <Caliper> key 26 to activate the basic measurement. Press <Calc> key 25 to activate the application measurement.

2. Tap the measurement item on the touch screen and use <Trackball> 31 and <Set Key> 30 to measure the target area.
3. Press <Clear> key 23 to remove all measurement markers and calculation results from the screen.

### Annotation

1. Press <Annot> key 22 to activate annotation and move the cursor to the desired position by rotating <Trackball> 31. Tap the predefined word on the touch screen or input an annotation. Use <Set Key (Right)> 30 and <Trackball> 31 to move the annotation to the desired position.
2. Tap <Set Home> key on the touch screen to set the initial position for an annotation.

### Body Mark

Press <Body Mark> key 16 to activate body mark and select the body mark. Rotate <Trackball> 31 to move the body mark to the desired position and rotate <Angle> key 16 to adjust the angle, and press <Set Key> 30 to add the body mark to the image.

## 5. Managing Image/Cine/Data

### Storing an Image/Cine

Press <P1> key 28 to save the current image by default. Press <P2> key 29 to save the current cine by default.

### Viewing an Image/Cine

Press <Review> key 5 to enter the Review Exam screen and use <Trackball> 31 and <Set Key> 30 to select the image/cine, and press <Set Key> 30 twice to enter the main screen to view the image/cine.


### Exporting/Importing Data

1. Connect a device (e.g. USB, DVD) to the system and press <Patient> key 4 to enter the New Animal screen.
2. Click <Animal List> key to enter the Exam List screen.  
【Export】 : Select the animal information on the Exam List screen. Click <Export> key and select the exported device and format in the pop-up dialog box. Then click <Export> key to export the selected animal information to the device.  
【Import】 : Click <Import> key and select the imported device and animal information, and click <Import Animal> key to import the selected animal information to the system.

### Report and Print

Press <Report> key 6 to view the measurement result and click <Prev.&Save> key to preview the current report. Press <Print> key 8 to print the current report.

## 6. Ending an Exam

1. Press <End Exam> key 7 to end the current exam.
2. Press <P> key to power off the system. Set the power switch to  position to disconnect the power cable from the system and mains power.