

CINE

To activate CINE playback:

1. Press **FREEZE**.
 - a. Most recently acquired image is displayed with **CINE** bar below image.
 - b. Press **FREEZE** again to exit **CINE** back to 2D imaging.

To activate frame review:

2. To review one frame at a time, use left and right navigation ring buttons.
3. To playback **CINE** in a continuous loop, press the up button in the navigation ring.
 - a. To adjust the speed of the loop, press the up button.
 - b. To stop the **CINE** playback, press the down button.
 - c. To display the **CINE** menu, press **SELECT**.

Recalling an Image

1. To recall an image from a current patient, press **SELECT** in freeze.
2. Select **RECALL** menu entry.
3. To recall all studies saved to the SD memory card, press **MENU**, and then **RECALL** menu entry.
4. System will display a list of all studies currently saved.
5. Open the required study by selecting "+", then select an image or loop to load.
6. Play the loop by pressing the up button on the navigation ring.
7. Step forward/backward using the right/left navigation ring buttons.
8. To edit the loop press **SELECT** key to activate the **FREEZE** menu.
9. Press **FREEZE** to activate live imaging.

Changing the Battery

To insert a new battery, insert the fingers at the connector end of the battery into the slots in the battery cavity. Gently push the cable end down until it clicks into the battery clip.

To remove the battery, pull the battery clip towards the probe cable. Gently pivot the battery up and out of the enclosure by lifting the edges near the probe cable end. The battery pivots on fingers at the far end away from the probe cable.

TIP: The battery fit is relatively tight in order to prevent fluid intrusion so it may be helpful to turn the unit over after opening the battery clip to allow the battery to drop out into your hand.

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ACUSON P10™ ultrasound system

Product version 1.0

Quick Scan Card

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Powering up the System

1. To power on the system, open the LCD lid.
2. There is a short delay from opening the lid until the system is ready to image.
3. Power off the system by closing the LCD lid or pressing **MENU** and selecting **Shutdown**.

Note: The system clears the current study or patient data when powering off. To save the information press **STORE**.

Beginning an Exam

To register a patient:

1. Press the **NEW PATIENT** button to enter patient name and ID. Use the QWERTY keypad to enter information.
2. The **ENTER** or **SELECT** keys move between fields.
3. Press the **RETURN** or **SELECT** keys to save the new patient information.
 - a. Press **ESC** or **NEW PATIENT** keys to exit the new patient screen without saving the data.
4. Select **EXAM TYPE**.

Bypass of patient registration:

1. Begin exam.
2. Press **STORE** to store images and loops.
3. System stores images and loops to "Unknown" patient identifier.

Image Screen Display:

Active exam type, depth, gain, frames per second, grayscale map and compression curve display in upper left of the image screen.

If TGO™ tissue grayscale optimization technology is enabled, TGO gain is displayed.

Emergency Workflow

1. Open lid to power up.
2. Do not register patient, unfreeze to begin scanning.
3. Press Store to save images and loops.
4. Patient registered as "Unknown".



Note: To change system screen brightness (different ambient lighting situations) press **MENU** and scroll down to **SCREEN BRIGHTNESS**.

Acquiring an Image

1. The P10 system powers up in **FREEZE** mode to conserve battery life.

2D Imaging:

1. Press **FREEZE** to enter 2D-mode.
2. Use the Navigation ring buttons to make adjustments to depth and gain.
 - a. Up and down to adjust depth.
 - b. Left and right to adjust gain.
3. Press **SELECT** to activate the imaging pop-up menu and access other imaging controls (buttons move up and down menu).
4. Press **SELECT** again to activate the menu item and make selection.

To...	...do this:	Icon
Change image gain/brightness	Select Gain +/- or press up/down buttons on navigation ring	
Adjust depth	Select Depth +/- or press up/down buttons on navigation ring	
Activate/deactivate TGO	Select TGO On/Off (2D Menu)	
Display annotations	Select Annotations (2D Menu)	

2D Imaging Pop-up Menu:

TGO – Tissue Gain Optimization, or automatic gain/brightness uniformity and contrast resolution adjustment.

Zoom – magnifies image.

RGB Map – selects different grey scale (RGB) display maps.

Depth – changes depth setting.






Gain – changes overall gain setting.

Comp Map – displays compression curves (changes dynamic range of image).

Note: TGO technology affects the whole image including artifacts and defects. For optimal TGO performance, ensure full transducer contact, minimize depth, and avoid bright reflectors (gas).

Performing Measurements

Press the **MEAS** key to the right of the Nav ring to display the measurement window.

To...	...do this:	Icon
Select the desired measurement	Select Caliper1 , Caliper2 or Ellipse from menu	
Use calipers	Move highlighted endpoint with the navigation ring, use SELECT to highlight second caliper	
Ellipse	Press SELECT to toggle between ellipse functions; size, pan or rotate	
Change Ellipse functions	Use navigation ring buttons to change size, rotate ellipse, or pan	
Clear/Delete	Press Measurement and select Clear . Removes currently displayed measurements	
Lock Measurements	Press MEASUREMENT . Locks value and location and re-displays measurement menu.	
Store	Press STORE	

Annotations

1. In 2D, freeze, or when recalling an image, press **SELECT**.
2. Select **Annotations** from menu, and then select an annotation from the list. System displays a highlighted box.
3. Press **SELECT** to position the annotation on the screen where the highlighted box displays.
4. To delete annotations, select **Clear All** from annotations menu.

Storing an Image

The P10 system stores still frames or loops to a removable SD Memory Card.

1. Press **STORE** key of frozen image to store a single frame.
2. Press **STORE** while live imaging or playing a loop to store a loop.