OLYMPUS

Your Vision, Our Future

EVIS EUS

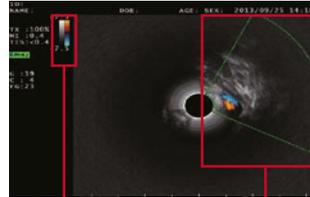# QUICK-REFERENCE GUIDE – FLOW MODE

FLOW Mode – General

FLOW key

FLOW

Touch panel: MAIN MENU

FLOW MAIN

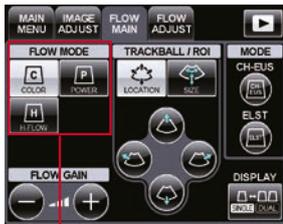*ROI (Region of interest)*

+7.5

Gray scale

Color scale

−7.5

(Value: Velocity range)

1 Press the **FLOW** key on the keyboard.

* Note: The LCD touch panel automatically switches from the MAIN MENU to FLOW MAIN.
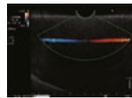
2 Simultaneously, the ultrasound image on the monitor switches to FLOW mode. Ensure that the ROI with color appears on the image.

FLOW MODE button

3 On the touch panel menu press the **FLOW MODE** of your choice.

* Note: The last operation mode will be recalled automatically when FLOW mode is changed.

COLOR FLOW
The direction and flow rate of the blood flow are shown using colors. Blood flowing toward the transducer is shown in red.

POWER FLOW
The intensity of received signals is shown using colors. As the blood flow intensifies, the displayed color becomes more vivid.
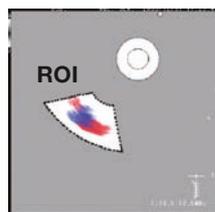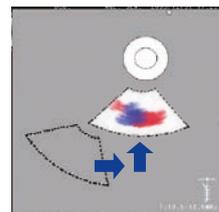
H-FLOW
Displays the blood flow strength information with less blooming artifacts than POWER Flow mode. Also displays the direction of blood flow in color.

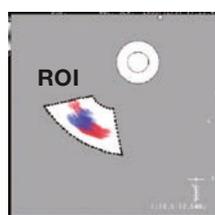
LOCATION button

ROI button

Trackball

ROI

4 Select the **LOCATION** button and adjust the ROI position. The **ROI** can be moved by using the ROI buttons or the **trackball**.

* The icons for the **ROI** buttons will change according to the **LOCATION** button.
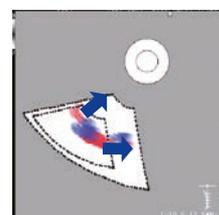
SIZE button

ROI button

Trackball

ROI

5 Select the SIZE button and adjust the ROI size. The ROI size can be adjusted by using the ROI buttons or the trackball.
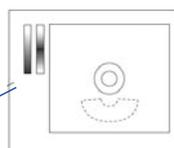
* The icons for the **ROI** buttons will change according to the **SIZE** button.
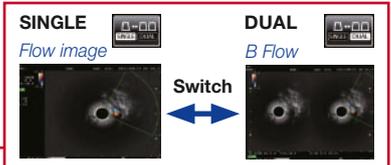

Flow Gain

Adjusts the sensitivity of the flow signal in FLOW mode in 32 steps.
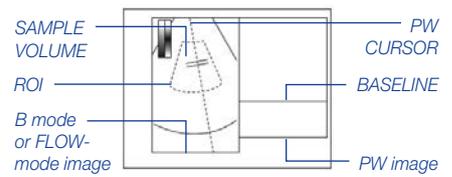
FLOW GAIN

Display (Single/Dual)

SINGLE
Flow image

DUAL
B Flow

Switch

Press the **DISPLAY** button to switch the single-screen display and the dual-screen display.

QUICK-REFERENCE GUIDE – FLOW MODE
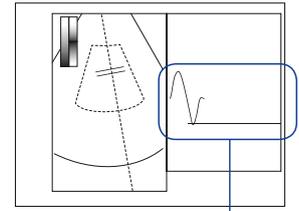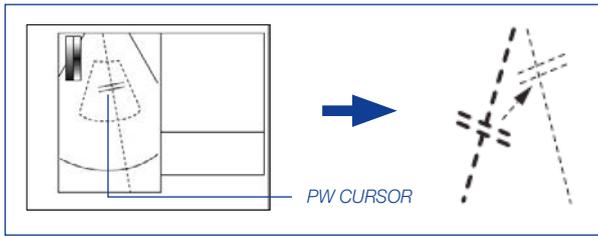
Pulse Wave Doppler (PW) Mode

PW key

SAMPLE VOLUME
PW CURSOR
ROI
BASELINE
B mode or FLOW-mode image
PW image

1 Detect the blood flow using B mode or FLOW mode.

* Adjust the image using the **RANGE** key so that the target region is displayed as closely as possible to the center of the image.

2 Press the **PW** key on the keyboard. Simultaneously, the screen switches to the PW mode.

* The touch panel automatically switches to PW MAIN.

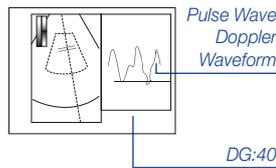*PW CURSOR*

PW START button

Pulse Wave Doppler Waveform

3 PW CURSOR (two short lines) is shown at the center of the left image. Adjust PW CURSOR to the blood flow using the trackball.

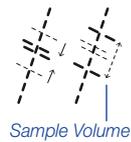**4** Press the **PW START** button to start the Pulse Wave Doppler waveform.

PW MAIN

PW Gain

Pulse Wave Doppler Waveform

DG:40

Gain for Pulse Wave Doppler can be adjusted in 61 steps using the **PW GAIN** button, if necessary.

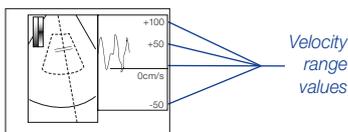PW GAIN value is displayed at the lower bottom of the screen. The adjusted GAIN is not saved.

Sample Volume

Sample Volume

The **SAMPLE VOLUME** button designates the width of the blood flow from which the Pulse Wave Doppler is acquired. Make sure the cross-sectional surface is positioned between the two lines.

Press the **SAMPLE VOLUME** button to adjust the width of the two lines. The width can be adjusted using the trackball or **ARROW** buttons.
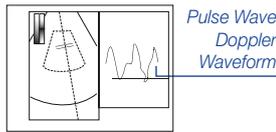
PW Velocity Range

Velocity range values

Velocity range for Pulse Wave Doppler can be adjusted in 27 steps.

The adjusted velocity range value is saved according to the type of the scope.

Cine Review for PW Mode
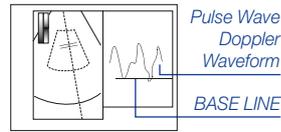
Pulse Wave Doppler Waveform

Selects whether CINE REVIEW function is applied to the left image (B mode or FLOW mode) or the right image (Pulse Wave Doppler Waveform).

Confirm if the CINE REVIEW function is on using the trackball. The left and right images cannot be switched using the CINE REVIEW button.

Base Line
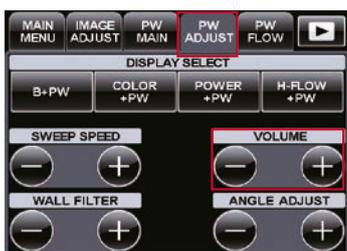
Pulse Wave Doppler Waveform

BASE LINE

Adjusting the Base Line position up or down using the **BASE LINE** button corrects the views of Pulse Wave Doppler waveforms by avoiding imbalanced views.

This button is highlighted during Base Line adjustment. Touching the button again returns to the original display.

PW ADJUST

Volume

The volume of Pulse Wave Doppler waveforms can be adjusted. Select the PW ADJUST tab and adjust the volume using the VOLUME buttons.

The Pulse Wave Doppler sound can be output from the bottom of the EU-ME2. The adjusted volume set using the VOLUME buttons is saved and recalled the next time EU-ME2 is used.

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Specifications, design, and accessories are subject to change without any notice or obligation on the part of the manufacturer.