

DGH 5000 QUICK REFERENCE GUIDE

POWERING UP THE UNIT

1. Attach the probe to the unit.
2. Turn on power and wait for the main menu to appear. The main menu page also displays the “Current Instrument Status”.

OBTAINING A-SCAN MEASUREMENTS

1. Press **ASCAN** (F2) to activate the A-Scan mode.
2. If the “eye” and “lens type” need to be changed, press **SELECT EYE** (F1).
 - 2.1. Use the **SELECT** and cursor keys to make the appropriate selection.
 - 2.2. When completed, press **OK** (F2).
3. Obtain A-Scan measurements (refer to pages 29 thru 37 of the Operating Instructions).
 - 3.1. Up to 8 measurements can be stored for each eye.
 - 3.2. Review measurements by using the **↑** and **↓** cursor keys.
 - 3.3. Delete unwanted measurements by pressing **DELETE**.
 - 3.4. Press **PRINT** to obtain a hard copy of A-Scan measurements and statistics or proceed to the IOL calculator. (To customize the A-Scan printout refer to pages 21 to 23 of the Operating Instructions.)
4. When completed, press **MAIN MENU** (F4).

OBTAINING IOL CALCULATIONS

1. Press **IOL** (F3) to access the IOL calculator.
2. Enter an IOL configuration
 - 2.1. Press **OPTIONS** (F3) and use the **↑** cursor key to highlight **Setup**.
 - 2.2. Press **SELECT** to access the “SBH IOL Calculator Configurations” page.
 - 2.3. Use the cursor, **SELECT**, and numeric keys to input data for at least one IOL configuration. (Refer to page 49 of the Operating Instructions for corresponding values for the A-Constant, ACD, and Surgeon Factor.)
 - 2.4. When completed, press **OK** (F2).
3. Press **ENTER DATA** (F1) and then use the cursor, **SELECT**, or numeric keys to input data required for IOL calculations.
4. Press **COMPUTE IOLS** (F2) and observe the target IOL power that predicts the desired postoperative refraction. If desired, use the **↑** and **↓** cursor keys to review the ten IOL powers (in half diopter increments) above and below the selected IOL power.
5. Press **PRINT** to obtain a complete printout of IOL calculations and associated data. (To customize the printout of the IOL calculator, refer to pages 54 to 57 of the Operating Instructions.)
6. When completed, press **MAIN MENU** (F4).

PREPARING THE UNIT FOR THE NEXT PATIENT

1. Make sure that the main menu is activated (“Current Instrument Status” is displayed).
2. Press **CLEAR**, use the ↓ cursor key to highlight **Clear All**, and then press **SELECT**.

CALIBRATION VERIFICATION

1. Power up the unit as explained above.
2. Press **ASCAN** (F2) to activate the A-Scan mode.
3. Press **OPTIONS** (F3), use the ↓ cursor key to highlight **Test Mode**, and then press **Select**.
4. Answer “Yes” to the on-screen prompt by pressing **SELECT**.
5. Apply a small drop of water to the reference block.
6. Applanate the probe tip to the center of the reference block.
7. Observe measurements of $24.10 \pm 0.25\text{mm}$.
8. If measurements are outside of the above tolerance, refer to steps 7 and 8 on page 42 of the Operating Instructions.
9. Exit the test mode by repeating steps 3 and 4.
CAUTION: The operator **MUST** always exit the test mode before attempting to take measurements on the eye.