
Dynatron® 150plus

- d. Select 10% Duty Cycle: With the 10% LED lighted, enter "0" (zero) as the value for **Coupling**. The coupling feature is not available with old-style soundheads.
6. **Enter 3 MHz Values**. Press the FREQ key to select 3 MHz. Make sure the 3 MHz LED is lighted. Locate the 3 MHz column on the printout, and enter the numbers as follows:
 - a. Select CONT Duty Cycle: The CONT and 3 MHz LEDs are lighted. Enter the value for **F1 - 3 MHz** by pressing the time selection keys until the desired value is displayed in the time display.
 - b. Select 50% Duty Cycle: With the 50% LED lighted, enter the value for **Z - 3 MHz**.
 - c. Select 20% Duty Cycle: With the CONT LED lighted, enter the value for **Temp - 3 MHz**.
 - d. Select 10% Duty Cycle: With the 10% LED lighted, enter "0" (zero) as the value for **Coupling**. The coupling feature is not available with old-style soundheads.
7. **Store New Parameters**. After you have entered all parameters, press START to store them in the device's memory. Then press STOP to exit this mode.

The above procedure must be performed for each separate soundhead for the device. Turn the device off before attaching the next soundhead, then turn the device on again with the soundhead firmly plugged in.

Calibration Procedure

With the exception of calibration, all service on the Dynatron 150plus device should be performed by a Dynatronics service technician. If your Dynatron 150plus requires service, contact Dynatronics Customer Service at (800) 874-6251. **The calibration procedure MUST be performed by a qualified ultrasound technician using the proper equipment.** Calibration may be performed either by Dynatronics or by an ultrasound technician in your local area.

When to Calibrate: Dynatronics recommends that the Dynatron 150plus be calibrated annually to ensure the unit is working at its peak performance.

What to Calibrate: You must calibrate all soundheads used for this device at all three frequencies (1, 2, and 3 MHz), except the 1 cm² soundhead which is calibrated at 2 and 3 MHz only.

Equipment Required: You will require an **ultrasound power meter** capable of accurately measuring outputs up to 3 MHz. Check the manufacturer's specifications to confirm your power meter meets this qualification. Ohmic Instrument UPM-DT1 or UPM-DT-10 are recommended for use.

Water Quality: Water used in the testing procedure must be **degassed water** with an oxygen content of four parts per million (4ppm) or less.