Connect the ScopeMeter to the Power Adapter/Battery Charger PM 8907. Use MASTER RESET to switch the ScopeMeter on. (To do this press the LCD key and keep it pressed. Then also press the ON/OFF key. When the ScopeMeter switches on, you will hear two beeps.) Now press both AC/DC/GROUND keys simultaneously. This will start the SERVICE menu (see figure 4.1, chapter 4). This menu allows you to start the calibration sequence. Press the corresponding softkey marked "CALIBRATE ScopeMeter". This will start the CALIBRATE menu.

NOTE: The ScopeMeter will show the message:
   "Space for X calibration sessions."(X is: 2, 1, or 0); X is 2 for software versions below V4.00 only.

After two or three electronic calibrations (see NOTE above), the ScopeMeter will display: "Space for 0 calibration sessions". This means that the internal Flash ROMs of the ScopeMeter are full. To enable another calibration, you must first empty the Flash ROMs and reinstall the ScopeMeter operating software. To do this, send the ScopeMeter to your nearest Service Center. It is also possible to "refresh" the FlashROMs by yourself, using a PC. For more information: contact your nearest Service Center.

5.4   OPERATING THE CALIBRATION PROCEDURE

Softkeys in the CALIBRATE menu
In the CALIBRATE menu, it is possible to choose the calibration mode (sequence) to be performed.

Press the softkey marked:
- CONTRAST for the CONTRAST Calibration Adjustment Procedure (see section 5.5).
- SCOPE for the SCOPE Calibration Adjustment Procedure (see section 5.6).
- METER for the METER Calibration Adjustment Procedure (see section 5.7).

When one of these three calibration sequences is chosen, the corresponding text on the screen will be shown in reverse. This shows that this calibration mode is active.

If you press the ESCAPE softkey, the ScopeMeter will leave the CALIBRATE menu and return to the SERVICE menu.
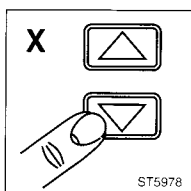
NOTE: If you use the ESCAPE softkey to leave the SERVICE menu before storing the calibrations with the CAL STORE softkey, you will lose all new calibration values. The instrument will continue using the calibration values that were used before entering the CALIBRATE menu.

The CAL STORE softkey saves the new calibration values that are obtained in the CONTRAST, SCOPE or METER sequences, to the Flash ROM. From the moment you press the CAL STORE softkey, the ScopeMeter uses the new calibration data. The old calibration data is no longer valid. This will also fill one calibration field in the Flash ROM. See section 5.3.

NOTE: After calibrating the ScopeMeter, reset the instrument (use a MASTER RESET), before performing measurements.

Keys in CONTRAST, SCOPE, or METER Calibration mode
The calibration is presented as a sequence. You can advance through this sequence by pressing the select/adjust keys. Pressing the upper select/adjust key advances one step; pressing the lower adjust/select key brings you back one step.

In sections 5.5, 5.6 and 5.7 this figure is used to indicate that one of the select/adjust keys (up/down) must be pressed to display the indicated step number "x" displayed on the ScopeMeter screen.