

7.2 REPLACEMENTS

7.2.1 Standard parts

Electrical and mechanical parts replacements can be obtained through your local FLUKE/PHILIPS organization or representative. However, many generic electronic components can be obtained from other sources. Before purchasing or ordering replacement parts, check the parts list for value, tolerance, rating, and description.

NOTE: Physical size and shape of a component may affect instrument performance, particularly at high frequencies. Always use direct-replacement components, unless it is known that a substitute will not degrade the instrument's performance.

7.2.2 Special parts

In addition to the standard electronic components, some special components are used:

- Components, custom manufactured or selected by FLUKE/PHILIPS to meet specific performance requirements.
- Components that are important for the safety of personnel.

NOTE: Both type of components may only be replaced by components obtained through your local FLUKE/PHILIPS organization or representative.

7.2.3 Transistors and integrated circuits

Some notes on handling these components:

- Do not replace or swap semiconductor devices unnecessarily, because the change may affect the calibration of the instrument.
- When a device has been replaced, check the circuit that may be affected for proper operation. See also the Performance Verification Procedure in chapter 4.

7.2.4 Static-sensitive components

In the ScopeMeter the black/yellow "static-sensitive components" symbol is present (see also figure 7.4). This means that this instrument contains electrical components that can be damaged by electrostatic discharge. Although all MOS integrated circuits incorporate protection against electrostatic discharge, they nevertheless can be damaged by accidental overvoltages.

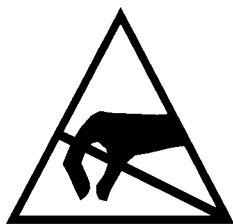


Figure 7.9 Static-sensitive symbol (black/yellow)