

FIELD SERVICE KITS

I. Description

Static Technologies Field Service Kits provide a convenient and effective portable static safe work area for field service electronic technicians. These kits fold to a compact size that readily fit most tool kits. They are also useful as a storable static safe work station for use at remote sites.

Complete kits include a rugged static dissipative vinyl work surface, an adjustable elastic wrist strap, an alligator clip, and a common point ground cord.

Work Surface: The work surface is made from a flexible red static dissipative vinyl. A buried conductive layer ensures effective charge dissipation. This material resists tears and punctures. It has excellent ESD control properties and is flame retardant.

Ground Snap Connection: Two 10mm socket snaps provide a connection for the common point ground cord. Back sides of snaps are insulated.

Pockets: Two sewn pockets hold ground cord and wrist strap; and provide space for storage of tools and PC boards. Pockets for 24" x 24" kits measure 12" (opening) by 6" deep. Pockets for 20" x 15" kits measure 10" (opening) by 5" deep.

Static Technologies Field Service Kits meet the requirements of MIL-W-87893, Type III.

II. Part Numbers:

P/N	SIZE	WRIST STRAP	GROUND CORD
FS-2000	20" x 15"	NA	NA
FS-2015	20" x 15"	WB-2050	GC-1105
FS-2400	24" x 24"	NA	NA
FS-2424	24" x 24"	WB-2050	GC-1105

III. Specifications

Charge Decay: <0.1 second Per FTMS 101C, M4046

Flame Resistance: After flame: 2 seconds

Char length: 0.3 inches per FTMS 191B, M-5903

Point-to-Point Resistance (R_{TP}):

10 volts, 12% RH: $1 \times 10^6 - 1 \times 10^8$ ohms

100 volts, 50% RH: $1 \times 10^6 - 1 \times 10^8$ ohms per EOS/ESD-S4

Point-to-Ground Resistance (R_{TG}):

10 volts, 12% RH: $1 \times 10^6 - 1 \times 10^8$ ohms

100 volts, 50% RH: $1 \times 10^6 - 1 \times 10^8$ ohms per EOS/ESD-S4

Temperature Use Range:

-10° F to 140° F (-23° C to 60° C)

Vinyl Thickness: 0.018" \pm 0.005" (0.45 mm)

We also manufacture a variety of custom field service kits, including special sizes and silk screening.

Other model wrist straps and/or ground cords are available. Contact your local representative or our Boston, Massachusetts headquarters for more information.

See Page 2 For Use Instructions.

All statements, technical information and recommendations related to the seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before using the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

IV. Use Instructions:

1. Unfold the field service kit in an open and convenient working area.

2. Snap the common point ground cord onto one of the 10mm snap sockets on the red vinyl work surface. Attach the ground cord to a suitable ground point. If you are uncertain as to the location of a suitable ground, consult a licensed electrician to locate a correct and safe ground point. Possible ground points include:

a) the metal chassis of the equipment you are working on - using alligator clip

b) electrical outlet ground using the ground cord banana plug and a SP-1001 Surge Protector/Ground Monitor (not supplied with kit).

NOTE: The identification of a suitable ground is the responsibility of the user.

3. Place the wristband on your wrist and adjust for a snug, comfortable fit. Snap the coiled cord onto the wrist band. Insert the coiled cord's banana plug into one of the common point ground cord's banana plug receptacles.

4. Begin repair work.

V. Cleaning:

The field service kit material should be cleaned with soap and water, a small amount of isopropyl alcohol or an approved ESD worksurface cleaner. Cleaners containing silicone should be avoided as silicone build-up can form an insulative layer that may reduce the effectiveness of the dissipative mat.