



231610

Item	Description
231610	Field Service Kit - Light Weight, Blue/Black
231605	Mat only

"Field service activities often necessitate a completely portable work surface that may fit in a tool kit or pocket of a field service engineer. This work surface shall be designed so that it can withstand continual handling and frequent connection and disconnection from ground. The work surface might also need to last for years in the service engineer's tool kit."

[CLC/TR 61340-5-2 User guide Work surfaces Clause 4.7.1.2.2 Permanency of the work area]

"Portable work surfaces in a variety of forms (multi-layered or homogeneous) are available to meet established requirements and the same ESD control needs as those used in non-remote areas. Typically, field service work surfaces are designed to fold up and fit in a tool kit or a pocket of a field service engineer."

[CLC/TR 61340-5-2 User guide Work surfaces Clause 4.7.1.3.5 Field service/portable work surfaces]

Unless otherwise noted, tolerance $\pm 10\%$
Specifications and procedures subject to change without notice.

Purpose of Field Service Kit

To create a temporary ESD Protected Area (EPA).
An EPA is a working space where electrostatic discharge sensitive devices (ESDS) may be unpacked, handled and packed with the minimum risk of being damaged by static electricity.



Instructions for use

- Remove kit from pouch.
- Open mat and place on a flat stable surface. Use of the floor or a temporary working surface is acceptable.
- Mat is usually used with black conductive surface uppermost. However, if equipment being worked upon remains powered, it is recommended that the mat should be used with the blue static dissipative surface facing upwards.
- Connect the straight ground cord by its snap fastener to either press stud on the mat.
- Connect the straight ground cord to Earth or to the Earth terminal of the equipment to be serviced. If necessary use the crocodile clip to do so.
- Put on adjustable wristband so that it fits snugly. Separate instructions for use are supplied with band.
- Connect coiled cord by a snap fastener to the wristband. There is a 1 megohm resistor at both terminations, so either fastener can be used.
- Connect coiled cord by the other snap fastener to the unoccupied stud on the mat. Alternatively, the cord can be connected to Earth or the equipment Earth terminal.
- EPA is now ready for use.

General Instructions

- Always replace kit in pouch after use.
- Pockets sewn into mat are suitable for holding components, PCBs and ESD compatible tools.
- If possible test the overall resistance to Earth of the personnel regularly. This can be effected by preparing the kit for use and measuring the resistance from the operator's finger tips to Earth. The resistance should be approximately 3 megohms, but certainly be between 0.75 and 35 megohms.
- Do not clean mat with solvents. Use [Reztore® ESD Surface & Mat Cleaner](#) or a mild detergent and warm water.

Properties

- Black surface of the mat is conductive: $R_S < 1 \times 10^4$ ohms
- Blue surface is static dissipative: $R_S < 1 \times 10^{11}$ ohms
- $R_C < 1 \times 10^9$ ohms



Made in the
United States of America
& the United Kingdom

Portable Field Service Kit - Light Weight

DESCO EUROPE

DESCO EUROPE
2A DUNHAMS LANE, LETCHWORTH GARDEN CITY,
HERTFORDSHIRE, SG6 1BE, UK
PHONE: +44 (0) 1462 672005
E-MAIL: Service@DescoEurope.com, INTERNET: DescoEurope.com

Drawing Number
231610

DATE:
July
2021