



231635

Item	Description
<a href="#">231615</a>	Field Service Kit - Heavy Duty, Blue
<a href="#">231635</a>	Field Service Kit - Heavy Duty, Red

"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 with the stud facing upwards.
- Connect straight ground cord using snap fastener to the stud on the mat.
- Connect 4mm plug of the straight ground cord to Earth or to an earthed terminal of the equipment. If necessary use the crocodile clip to do so.
- Put on wristband. Ensure wristband fits snugly. Separate instructions for use are supplied with band.
- Connect coiled cord (has a 1 megohm resistor) by snap fastener to wristband.
- Plug the other end of coiled cord into straight cord. Alternatively, the coiled cord can be connected to Earth or the equipment Earth terminal, possibly using the crocodile clip.
- The EPA is now ready for use.

### General Instructions

- Always replace kit in pouch after use.
- Do not clean mat with solvents. Use [Reztore® ESD Surface & Mat Cleaner](#) or mild detergent and warm water.
- 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 achieved 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 at least 0.75 but less than 35 megohms.

### Properties

- $R_S < 1 \times 10^8$  ohms,  $R_G: 1 \times 10^6$  to  $1 \times 10^8$  ohms
- Size when open 590mm x 545mm
- Total weight of kit: 0.4kg
- Kit [231615](#) includes 1 x blue field service mat, 1 x blue pouch, 1 x [229765](#), 1 x [230205](#), 1 x [231255](#) and 1 x crocodile clip
- Kit [231635](#) includes 1 x red field service mat, 1 x red pouch, 1 x [229755](#), 1 x [230175](#), 1 x [231255](#) and 1 x crocodile clip



Made in the  
United Kingdom

## Portable Field Service Kit - Heavy Duty

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