

KC-135 Stratotanker Fuel System Support Equipment

The following is a list of ground support equipment required for testing KC-135 Fuel Quantity Indicating System.

PSD90-3 AC/DC | Order Code 22160648

New AC/DC Capacitance Test Set contains all the necessary functionality to measure and simulate capacitance and perform insulation resistance and continuity tests on the aircraft wiring. Includes functionality to automatically alert and manually test for contaminated fuel probes.

Please refer to the PSD90-3 product data sheet for more information.



PSD90-3 AC/DC replaces the PSD90-1C

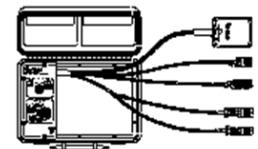
PSD90-1C | Order Code 878 | Legacy Part Number 01-1000-61 | NSN 4920-01-528-2230

The PSD90-1C is a universal AC/DC Capacitance Test Set. It contains all of the necessary functionality to measure and simulate AC or DC capacitance and perform insulation resistance and continuity tests on the aircraft wiring. An aircraft specific interface is required.



PSDAF-KC135 | Order Code 57993 | Legacy Part Number 55-1000-90 | NSN 5930-01-552-8997

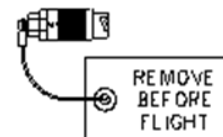
The PSDAF-KC135 Fuel Quantity Interface routes all needed signals to and from the PSD90-1C to accurately measure the capacitance of tank units. It connects at the Tank Interface Unit (TIU) to measure tanks and connects at the tank boundary to measure individual probes. It also connects at the Fuel Management Advisory Computer (FMAC) to simulate to the indicators.



Includes the following cables and accessories:

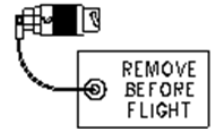
W1 Shorting Plug | Order Code 57994 | Legacy Part Number 55-1000-91

The W1 Shorting Plug is used to short the Lo-Z, Hi-Z, COMP and Shield paths at the tank boundary. Resistance may be measured between any two paths. It is connected at compensated probe connectors.



W2 Shorting Plug | Order Code 57995 | Legacy Part Number 55-1000-92

The W2 Shorting Plug is used to short the Lo-Z, Hi-Z, and Shield paths at the tank boundary. Resistance may be measured between any two paths. It is connected at uncompensated probe connectors.

**W3 Ground Cable | Order Code 57996 | Legacy Part Number 55-1000-93**

The W3 Ground Cable is used to connect the PSDAF-KC135 chassis ground to the aircraft ground.

**W4 Potted Comp Probe Adapter | Order Code 57997 | Legacy Part Number 55-1000-94**

The W4 Potted Comp Probe Adapter connects between the PSDAF-KC135 P11 connector and the probe connector and the Tank Boundary. Allows for testing the capacitance and resistance of a compensated probe. Used when access to the probe connector at the tank boundary is limited, preventing the PSDAF-KC135 P11 connector from mating with the probe connector.

**W5 Potted UnComp Probe Adapter | Order Code 57998 | Legacy Part Number 55-1000-95**

The W5 Potted UnComp Probe Adapter connects between the PSDAF-KC135 P12 connector and the probe connector and the Tank Boundary. Allows for testing the capacitance and resistance of an un-compensated probe. Used when access to the probe connector at the tank boundary is limited, preventing the PSDAF-KC135 P12 connector from mating with the probe connector.

**W6 2-Pin Jumper | Order Code 57999 | Legacy Part Number 55-1000-96**

The W6 2-Pin Jumper is used during forward Body Tank TIU calibration.

**W7 3-Pin Jumper | Order Code 5800 | Legacy Part Number 55-1000-97**

The W7 3-Pin Jumper is used during 2-Cell (2,3) Forward Body Tank TIU calibration.

