

# CH-47 Chinook Aircraft Fuel System Support Equipment

The following is a list of ground support equipment required for testing the CH-47 Chinook Fuel Quantity Indicating System.

## **PSD90-3DC | Order Code 22165792**

New 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.



## **The PSD90-3DC replaces the PSD30-2AF**

## **PSD30-2AF | Order Code 787 | Legacy Part Number 01-0816-00 | NSN 6625-01-416-7180**

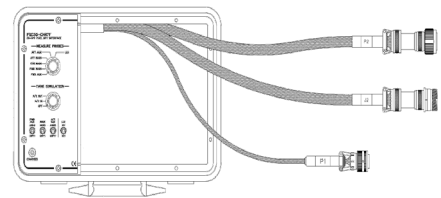
The PSD30-2AF is designed to calibrate and troubleshoot any DC capacitive fuel quantity system. The PSD30-2AF will perform the following functions when used in conjunction with an aircraft-specific interface:

- Measures capacitance or insulation resistance of any DC capacitive fuel quantity system.
- Simulates capacitance of any DC fuel quantity system to calibrate or troubleshoot the system.



## **PSDAF-CH47F | Order Code 112268**

The PSDAF-CH47F Fuel Quantity Interface Unit combined with the VIAVI PSD30-2AF is used to measure capacitance and resistance of the fuel probes, level sensors, and aircraft wiring. It will simulate capacitance, level sensor values. It will detect and troubleshoot system faults. The CH-47F DC capacitive system requires the PSD30-2AF due to fuel system drive requirements.



The PSDAF-CH47F is connected at the fuel signal conditioner and the aircraft wiring harness at the signal conditioner.

P2 connects to the fuel signal conditioner for simulation to the cockpit indicator



J2 connects to the aircraft wiring harness at the signal conditioner for measurement and troubleshooting of fuel system wiring and probes

P1 connects to the PSD30-2AF

Probe test cable is provided for testing fuel probes on the aircraft or on the bench directly.