

Brochure

# VIAVI

## PSD30-2AF

### Universal DC Capacitance Test Set

The PSD30-2AF is designed to calibrate and troubleshoot any DC capacitive fuel quantity system.

The PSD30-2AF will perform these functions:

- Measure the capacitance or insulation resistance of any DC capacitive fuel quantity system with required aircraft specific interface cable (not included).
- Simulate the capacitance of any DC fuel quantity system to calibrate or troubleshoot the system.
- Measure the DC voltage to the fuel quantity gauge in the range of 0-40 VDC in .01 VDC increments.



### Features

- Solid-state circuits and LCD backlit display for low power consumption and high reliability
- Tested and approved for use with fuel in tanks
- Portable, lightweight, sealed, high-impact ABS case reduces weight of tester, with batteries installed, to less than 12 pounds
- Small size permits testing in restricted spaces
- Very easy to operate; choose the FUNCTION desired and read the measured capacitance, insulation or voltage on the display
- Auto-ranging circuit and 4.5 digit display permit resolution to .01 pF in capacitance functions and .01 meg in insulation (megger) function
- Digital Multi-meter (DMM) function reads external voltage up to 40 VDC
- BATTERY CHECK function reads percent of usable battery charge remaining

## Specifications

Capacitance Simulation and Measurement	
Ranges	Lo - 0 to 199.99 pf in 0.01 pf increments
	Hi - 200 to 1999.9 pf in 0.1 pf increments
Accuracy	±0.1% of reading or .1 pF, whichever is greater (-20° C to +50° C)
Resistance Measurement	
Range	100 KΩ to 2,000 MΩ
Accuracy	±10% of reading from 0° C to +50° C or ±15% of reading from -20° C to 0° C
Digital Voltmeter Measurement	
Range	0 to 40 VDC in 0.01 volt increments
Accuracy	±0.5% of full scale (0.2 VDC)
Environmental	
Operational Temp.	-20° to +50° C (-4° to 122° F)
Storage Temp.	-30° to +60° C (-22° to 140° F)
Power Requirements	
Input	18 C cell batteries

## Physical Characteristics

Dimensions	Width: 14.0 in (35.5 cm) Height: 6.5 in (16.5 cm) Depth: 10.5 in (26.7 cm)
Weight	12 lbs (5.44 kg)

## Ordering Information

### Versions, Options and Accessories

When ordering, please include the order number listed below.

Order Number	Version
787	PSD30-2AF Universal DC Capacitance Test Set (NSN: 6625-01-416-7180)

Aircraft specific interface cables are required and must be purchased separately. Contact VIAVI for your application.

Standard Accessories	
57636	Cable, PSD30-2AF adapter (55-0816-01)

Extended Warranty	
84388	36 months with scheduled calibration
84389	60 months with scheduled calibration



Aircraft fuel interfaces available for purchase