



Lightweight, easy to operate, portable test set

The PSD30-2AF is designed to calibrate and troubleshoot any DC capacitive fuel quantity system. The PSD30-2AF will perform the following 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 % of usable battery charge remaining
- CE Marked

## SPECIFICATIONS

### CAPACITANCE SIMULATION AND MEASUREMENT

Ranges	Lo - 0 to 199.99 pf in .01 pf increments Hi - 200 to 1999.9 pf in .1 pf increments
Accuracy	± .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 .01 volt increments
Accuracy	±.5% of full scale (.2 VDC)

## TEMPERATURE RANGE

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Operating	-20° C to +50° C
Storage	-30° C to +60° C

## POWER REQUIREMENTS

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Input	18 C cell batteries
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## CALIBRATION & WARRANTY

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Annual calibration
Two year warranty

## PHYSICAL CHARACTERISTICS

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

## VERSIONS, OPTIONS AND ACCESSORIES

When ordering, please include the order number listed below.

### Order Number

787

### Versions

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

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

### Standard Accessories

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

### Extended Warranty

84388 Extended standard warranty  
36 months with scheduled calibration

84389 Extended standard warranty  
60 months with scheduled calibration



*Aircraft fuel interfaces available for purchase*

# COBHAM

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