

# Avionics

**AvionTEq**

Test with full trust

[www.avionteq.com](http://www.avionteq.com)

## PSD60-2R Fuel Quantity Test Set



**AEROFLEX**  
A passion for performance.

A fuel tester that makes a powerful difference in line and hangar maintenance

The PSD60-2R performs these necessary functions:

- Measurement of total tank capacitance, individual tank units and compensators
- Simulation of capacitance for indicator calibration
- Simulation of compensator capacitance value for dry calibration
- Measurement of the insulation resistance of tank units and aircraft harness
- Measurement of coax center conductor to shield for fault isolation
- Display of capacitance resolution to 0.00 pF for accurate individual tank unit testing (to 199.99 pF)
- Compatible with AD 98-20-40 & AD 99-03-04 compliant aircraft (Mod 6 and above)
- Modular design for high reliability and low maintenance
- Closed box calibration using front panel controls
- Battery powered with percent of charge displayed
- Maintenance codes displayed to aid in troubleshooting
- Large selection of aircraft specific interface cables readily available (reverse side)

*The PSD60-2R is an accurate, highly reliable, portable capacitance test set. Along with an aircraft specific interface, the PSD60-2R provides complete capability to test any aircraft's AC capacitance fuel system.*

### GENERAL SPECIFICATIONS

#### MEASUREMENT RANGE

##### Capacitance

0.00 to 20,000 pF in 3 ranges

##### Resistance

0.0 1 $\Omega$  to 2,000 M $\Omega$  in 8 ranges

Optional range: 2,000 to 20,000 M $\Omega$

#### MEASUREMENT ACCURACY

##### Capacitance

$\pm$  0.1% of reading or 0.1 pF, whichever is greater, from -250 to +550 C

##### Resistance

$\pm$  5% of reading or 0.1  $\Omega$ , whichever is greater, from -250 to +550

+ 10% in Range 9 (2,000 M $\Omega$  to 20,000 M $\Omega$ )

#### CAPACITANCE SIMULATORS RANGE

##### Tank Unit

10 - 9,990 pF with infinite resolution

##### Compensator

10 - 990 pF with infinite resolution

### PHYSICAL CHARACTERISTICS

#### Weight

12 lbs (5.4 kg)

#### Width

14 in (35.6 cm)

**Height**

6.5 in (16.5 cm)

**Depth**

10.6 in (26.9 cm)

**Power**

18 Alkaline C-size non-rechargeable batteries, internally mounted

**VERSIONS, OPTIONS AND ACCESSORIES***When ordering please quote the full ordering number information.*

<b>Ordering Numbers</b>	<b>Versions</b>
01-0597-00	PSD60-2R Test Set
<b>Cables</b>	<b>Aircraft Supported</b>
PSD40-582	A-4 Skyhawk
PSDA300-1	A300
PSDA300-2	A300/310
PSDA300-3	
PSDA310-2	
PSDA310-1	A310
PSDA310-2	
PSD40-539	AS 330J Puma
PSD40-540	AS 332C Super Puma
PSD60-544	AS 366 Dolphin
PSD40-573	(USCG HH-65)
PSD40-555-1	ATR 42/72
PSD40-555-2	
PSD40-556XXX	
PSD40-556YYY	
PSD40-547	Boeing 707
PSD40-548	
PSD40-563	
PSD40-572	
PSD60-717	Boeing 717
PSD60-504	Boeing 727/737
PSD60-587	(BFG Retrofit Harness)
PSD60-503	Boeing 727/737/747
PSD60-DCTU	(Smiths DCTU)
PSD40-502-1/2/3/4	
PSD40-502	
PSD40-577	
PSD737-1	Boeing 737-600/700/800 (without Densitometer)
PSD737-2	(with Densitometer)
PSD60-118	Boeing 747-400
PSD747-2	
PSD757/767-1	Boeing 757/767 (Simmonds FQIS)

PSD757- Boeing 757  
 PSD60-510/511 (Honeywell FQIS)  
 PSD767-2 Boeing 767 Basic  
 SD60-510/511 (Honeywell FQIS)  
 PSD40-562 BAC 111  
 PSD40-565  
 PSD40-560 BAC SE210  
 PSD40-508 Beech 99  
 PSD60-537 Bell 205/AH1/UH1  
 PSD40-518 Bell 212  
 PSD40-517 Citation  
 PSD40-561 DHC-5  
 PSD40-529 DHC-6-200/300  
 PSD40-506 DHC-7  
 PSD40-507  
 PSD40-569 Fokker 27  
 PSD40-534 Fokker 28  
 PSD40-535  
 PSD40-533 Gulfstream Commander  
 PSD40-538 Gulfstream G-II  
 PSD40-578 Gulfstream G-II-G-III  
 PSD40-564 Gulfstream G-IIB  
 PSD40-575 Gulfstream G-III  
 PSD40-576 Gulfstream G-IV  
 PSD40-566 HH-3F  
 PSD40-567  
 PSD40-568  
 PSD60-544 HH-65  
 PSD40-536 Jetstar  
 PSD40-579  
 PSDL1011-1 L-1011  
 PSDL1011-2  
 PSDL1011-3  
 PSDL1011-4  
 PSD40-519 L-188  
 PSD40-516 Lear 25/35  
 PSD40-520 MDC DC8 (B175 IND)  
 PSD40-521  
 PSD40-551 (B118 Indicators)  
 PSD40-552

PSD40-553 (JG403 Indicators)  
 PSD40-554  
 PSD40-583 (Smiths Indicators)  
 PSD40-584  
 PSD40-581 (All applications)  
 PSD40-509 MDC DC9  
 PSD40-559  
 PSD40-574 MDC DC10  
 PSD60-589  
 PSD40-557 MDC MD80/MD90  
 PSD40-558  
 PSD40-586  
 PSD60-717 MDC MD95  
 PSD40-570 Metro II  
 PSD40-571 Metro III  
 PSD40-531 Mitsubishi MU-2  
 PSD40-532  
 PSD40-522 Mitsubishi MU-3  
 PSD40-523  
 PSD40-525B S58T  
 PSD40-541 S61  
 PSD60-113 S70/AH64/UH60  
 PSD40-545 Sabreliner  
 PSD40-546 Shorts SD330  
 PSD40-580 UH1D

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*This product is controlled for export under the International Traffic in Arms Regulations (ITAR). A license from the U.S. Department of State is required prior to the export of this product from the United States.*

**EXPORT WARNING:**

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