

# Avionics

## 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 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 - performed annually
- Battery powered with percent of charge displayed
- Maintenance codes displayed to aid in troubleshooting
- Distance-to-Fault (D'TF) Mode determines the "length" of the wire or the approximate distance to a break in the wire or shield
- Large selection of aircraft specific interface cables readily available

*The PSD60-2R is an accurate, highly reliable, portable capacitance test set. Along with an aircraft specific interface, the PSD60-2R will test any AC Capacitive Fuel, Water, LOX, Engine Oil, or other AC capacitance system*

### GENERAL SPECIFICATIONS

#### MEASUREMENT RANGE

##### Capacitance

0.00 to 19,999 pF in 3 ranges

##### Resistance

0.00 $\Omega$  to 1,999 M $\Omega$  in 8 ranges

Optional range 9: 2,000 to 19,999 M $\Omega$

#### MEASUREMENT ACCURACY

##### Capacitance

$\pm 0.1\%$  of reading or 0.05 pF, whichever is greater, from -25° to +55°C

##### Resistance

$\pm 2\%$  of reading or 0.1  $\Omega$ , whichever is greater, from 0.00  $\Omega$  to 1,999  $\Omega$   
 $\pm 5\%$  in optional range 9 (2,000 M $\Omega$  to 19,999 M $\Omega$ )

## CAPACITANCE SIMULATOR 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

## ORDERING INFORMATION

When ordering, please include the Order Number listed below.

### Ordering Numbers

693

### Versions

PSD60-2R Test Set AC Capacitance Universal  
Fuel Test Set

### Standard Accessories

58345

Cable GND Fuel Quantity (55-7002-00)

75322

Operations Manual and CD

## EXTENDED WARRANTY

84388

WPSD/203C Extended standard warranty 36  
months with scheduled calibration

84389

WPSD/205C Extended standard warranty 60  
months with scheduled calibration

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

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Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.