# **Fuel Quantity Testers**





# PSD60-1AF "AC" CAPACITANCE FUEL QUANTITY TEST SET FOR MILITARY APPLICATIONS

The PSD60-1AF is designed to calibrate and trouble-shoot any "AC" capacitive fuel, oil, or LOX quantity system.

This venerable test set is utilized extensively by rotary and fixed-wing military aircraft operators around the world.

#### The PSD60-1AF will:

- ▼ Measure the capacitance of any AC capacitive fuel, oil, or LOX quantity transmitter, or sets of transmitters connected in parallel.
- ▼ Simulate either one or two capacitors simultaneously to calibrate any AC capacitive liquid quantity gauging system.
- ▼ Measure the insulation resistance in megohms of capacitive liquid quantity transmitters (probes) and/or aircraft wiring.

# Lightweight, easy to operate, portable test set

# **FEATURES**

- Solid-state circuits and LCD backlit display for low power consumption and high reliability
- Battery-powered for complete portability and ease of maintenance
- Lightweight aluminum case has hinged compartment in lid for test lead storage
- Small size permits testing in restricted spaces
- Push-button "extended range" switch per mits readings up to 9,999 pf or 10,000 megohms - over-range indication on LCD
- Tested and approved for use in any funtion with fuel in tanks; battery power eliminates need for voltage (safety) checks

#### **PSD60-1AF FUEL QUANTITY TEST SET**

#### **GENERAL SPECIFICATIONS**

### Measurement Range

- .1 pf to 1,999 pf (or 1 to 10,000 pf in "extended range"
- .1 megohms to 10,000 megohms (auto-ranging)

# Capacitance Simulation Range

Tank Unit 15 pf tp 8,000 pf Compensator 15 pf to 1,000 pf

## Accuracy of Measurement or Simulation

- ± .10% of reading or .2 pf, whichever is greater, from 0 to +50 deg C
- ± .15% of reading or .3 pf whichever is greater, from -25 to +55 deg C
- ± 10% of reading in insulation resistance mode, from 0 to +50 deg C
- ± 15% of reading in insulation resistance mode, from -20 to +55 deg C

# Temperature Range

Operating -20 deg C to +55 deg C Non-operating -51 deg C to +71 deg C

# Calibration & Warranty

- Annual calibration
- One year warranty

#### PHYSICAL CHARACTERISTICS

Dimensions: 9.75" x 12" x 6.5"

(51cm x 30.5cm x 47cm)

Weight: 12 lbs (26 kg)



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## ORDERING INFORMATION

PSD60-1AF 01-0605-00

NSN 6625-01-297-5305

#### Available Aircraft Interface Cables

AH1/UH1 PSDAF-537 AH64/UH60/HH60/MH60/UH60/S70 PSDAF-113

BELL 205 PSDAF-537

C-130 PSD60-102 PSDAF-101

> PSDAF-102 PSDAF-102A PSDAF-102B

PSDAF-102C PSDAF-103

PSDAF-105

C-141 PSDAF-108

PSDAF-C141

C-5A PSDAF-109

PSDAF-109-1 PSDAF-109-2 PSDAF-109-3

PSDAF-109-4 PSDAF-109-5 PSDAF-111

C-5A/C-5B PSDAF-C5A/C5B

C-17 PSDAF-122

C9 PSDAF-112

CH-47D PSDAF-106 CH-53/MH-53/TH53 PSDAF-124

E-3A / E-8C PSDAF-121

T-37 PSDAF-110 T-38 PSDAF-107

 UH1
 PSDAF-537

 UH1D
 PSD40-580

 UH60
 PSD60-115

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