

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

4TECT

ООО «4TECT»

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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