



## Specifications

Capacitance Measurement		
Range	0.000 pF to 39.99 KpF	
Accuracy	Greater of $\pm 0.1\%$ of reading or 0.05 pf	
<b>Range</b>	<b>Measurement Range</b>	<b>Resolution</b>
Extra Low*	0.000 pF - 19.999 pF	0.001 pF
Low	0.00 pF - 199.99 pF	0.01 pF
Medium	200.0 pF - 1,999.9 pF	0.1 pF
High	2,000 pF - 19,999 pF	1 pFz
Extended	20.00 KpF - 39.99 KpF	10 pF
Capacitance Simulation		
Accuracy	Greater of $\pm 0.3\%$ of reading or 0.3 pF from 300 Hz to 9,600 Hz	
<b>Mode</b>	<b>Simulation Range</b>	
TU	0 pF - 11,990 pF	
COMP	0 pF - 1,190 pF	
AUX	10 pF - 11,990 pF	
Resistance Measurement		
Accuracy	Greater of $\pm 2\%$ of reading or 0.1 $\Omega$ High Extended and Mhos $\pm 20\%$	
<b>Range</b>	<b>Resistance Range</b>	<b>Resolution</b>
Low Voltage*	0.000 $\Omega$ - 19.999 $\Omega$	0.001 $\Omega$
Low Ohm	0.00 $\Omega$ - 199.99 $\Omega$	0.01 $\Omega$
Medium Ohm	200.0 $\Omega$ - 1,999.9 $\Omega$	0.1 $\Omega$
High Ohm	2.000 K $\Omega$ - 19.999 K $\Omega$	1 $\Omega$
Extended Ohm	20.00 K $\Omega$ - 199.99 K $\Omega$	10 $\Omega$
Low Mohm	200.0 K $\Omega$ - 1,999.9 K $\Omega$	100 $\Omega$
Medium Mohm	2.000 M $\Omega$ - 19.999 M $\Omega$	1 K $\Omega$
High Mohm	20.00 M $\Omega$ - 199.99 M $\Omega$	10 K $\Omega$
Extended Mohm	200.0 M $\Omega$ - 1,999.9 M $\Omega$	100 K $\Omega$
High Ext. Mohm	2,000 M $\Omega$ - 19,990 M $\Omega$	10 M $\Omega$
Mhos*	0.0000 nS - 1.9999 nS	.0001 nS
DC Voltage Measurement		
Range	$\pm 50$ VDC	
Accuracy	Greater of $\pm 1\%$ of reading or 0.02 VDC	
Resolution	0.01 VDC	
DTF (Distance-To-Fault) Measurement		
Range	0 pF - 39.99 KpF	
Accuracy	Greater of $\pm 0.2\%$ of reading or 1 pF	
<b>Range</b>	<b>Measurement Range</b>	<b>Resolution</b>
Low	0 pF - 19,999 pF	1 pF
High	20.00 KpF - 39.99 KpF	10 pF

\* Manual Mode Only

## Specifications continued

Temperature	
Operating	-40° to +55°C
Storage	-51° to +71°C
Altitude	
Operating	15,000 ft (4600 m) maximum
Power Requirements	
Input	100 - 230 VAC @ 45 - 440 Hz
Battery, NSN: 6140-01-213-0199	1 Rechargeable 12 VDC Sealed Lead Acid
Operation	12 hours continuous at 25°C
Charge Time	8 hours max
Physical Characteristics	
Size	10.6" x 14" x 6.5" (26.9 cm x 35.6 cm x 16.5 cm)
Weight	13 lbs (5.9 Kg)

## Test Set Compliance

- Compliant with Boeing Spec 10-61959 Rev H
- MIL-STD-810 Method 511.4 certified
- Traceable to NIST



Large selection of aircraft specific interface cables available

## Versions, Options and Accessories

Order Number	Description
877*	PSD90-1C/60-110 AC/DC Capacitance Test Set (110 V) NSN: 4920-01-510-5628 Designed for F-16 fleet
878*	PSD90-1C/61-110 AC/DC Capacitance Test Set (110 V) NSN: 4920-01-528-2230 Designed for universal non-F-16 fleet

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

### Standard Accessories

57934	CBL PSD90-1C charger 110 V
57939	CBL PSD90-1C charger 230 V
75538	Operations Manual PSD90-1C
38647	Connector BNCF Rev. Polarity
38648	Connector BNCM Rev. Polarity
57929	Ground cable
57947	Interface 472844 F-16 Simulator (standard with order number 877 only)

### Optional Accessories

853	Precision Transfer Standard PTS-1 NSN: 6625-01-497-5942
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### Extended Warranty

84388	36 months with scheduled calibration
84389	60 months with scheduled calibration

\* This product is subject to the Export Administration ("EAR") (15 CFR 730-774) and may not be exported, re-exported or otherwise transferred to a foreign person, or outside the United States without authorization from the U.S. Department of Commerce.

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