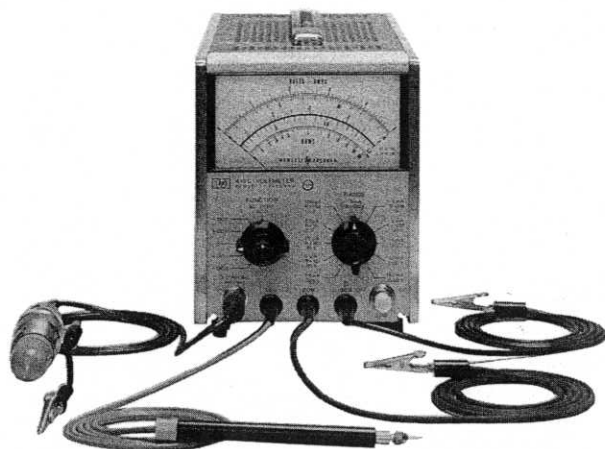




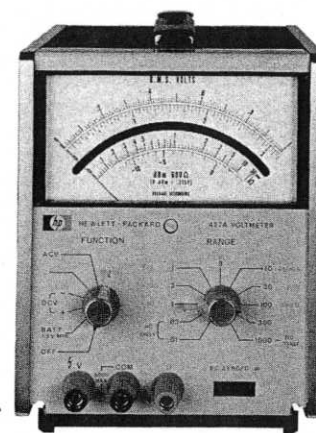
MULTIMETERS

General Purpose, Multi-Function Meters

HP Models 410C, 427A



HP 410C with HP 11036A



HP 427A

Description

HP's model 410C can be used for both dc current and voltage measurements as well as resistance measurements. With the supplied HP 11036A Plug-in Probe, ac voltages can also be measured.

Description

HP's model 427A is a portable multi-function meter valuable for measuring both ac and dc voltages and resistance. It will operate for more than 300 continuous hours on its internal battery. Option 001 provides both ac line and battery operation.

Specifications

		HP 410C	HP 427A										
DC Voltmeter	Voltage Range Accuracy Input Resistance	±15 mV to ±1500 V F.S. 11 ranges ±2% of F.S. on any range 100 MΩ ±1% on 500 mV range and above, 10 MΩ ±3% on 150 mV range and below	±100 mV to ±1000 V F.S. 9 ranges ±25 of F.S. on any range 10 MΩ										
AC Voltmeter	Voltage Range Frequency	0.5 V to 300 V F.S. 7 ranges 20 Hz to 700 MHz	10 mV to 300 V F.S. 10 ranges 10 Hz to 1 MHz (> 500 MHz with HP 11096B High Frequency Probe) responds to average value, calibrated in rms										
	Response	AC probe responds to positive peak-above average value, calibrated in rms											
	Accuracy	±3% of F.S. at 400 Hz for sinusoidal voltages from 0.5V-300V rms	<table><tr><td></td><td colspan="2">Range</td></tr><tr><td>Frequency</td><td>0.01V to 30V</td><td>100V to 300V</td></tr><tr><td>10 Hz to 100 kHz</td><td rowspan="2">2% of range</td><td rowspan="2">2% of range</td></tr><tr><td>100 kHz to 1 MHz</td></tr></table>		Range		Frequency	0.01V to 30V	100V to 300V	10 Hz to 100 kHz	2% of range	2% of range	100 kHz to 1 MHz
		Range											
Frequency	0.01V to 30V	100V to 300V											
10 Hz to 100 kHz	2% of range	2% of range											
100 kHz to 1 MHz													
Ohmmeter	Resistance Range Accuracy	10Ω to 10MΩ center scale, 7 ranges zero to midscale: ±5% of reading or ±2% of midscale, whichever is greater; ±7% from midscale to scale value of 2; ±8% from scale value of 2 to 3; ±9% from scale value of 3 to 5; ±10% from scale value of 5 to 10	10Ω to 10mΩ center scale, 7 ranges ±5% of reading (from 0.3 to 3 on scale)										
DC Ammeter	Current Range Accuracy	±1.5μA to ±150 mA F.S. 11 ranges ±3% of F.S. on any range	Not applicable										
Amplifier		Maximum voltage gain of 100; output proportional to meter indication; 1.5 Vdc F.S.	Not applicable										
Weight		Net, 3.6 kg (8 lb); shipping, 6.35 kg (14 lb)	Net, 2.4 kg (5.3 lb); shipping, 32 kg (7 lb)										
Size		159 mm H x 130 mm W x 280 mm D (6 1/2" x 5 1/8" x 11")	159 mm H x 130 mm W x 203 mm D (6 1/2" x 5 1/8" x 8")										
Power		115 V or 230 V ±10%, 48 Hz to 440 Hz, 15 VA (24 VA with HP 11036A AC Probe)	> 300 hr operation on 22.5 V battery; Option 001: battery or ac line operation, rear panel selectable, 115 V to 230 V ±20%, 48 to 440 Hz, 0.7 VA										
Accessories	Detachable power cord, HP 11036A AC Probe furnished standard		Refer to data sheet for available accessories										
Ordering Information	Price		Price										
	HP 410C Voltmeter Option 002 (less ac probe)	\$2080 less \$330	HP 427A Voltmeter Option 001 (ac power supply and battery)	\$1235 add \$80									