ELECTRICAL TEST INSTRUMENTS

Variable Voltage Power Supply

PORTABLE POWER SUPPLY USED FOR ENERGIZING A WIDE VARIETY OF CIRCUITS AND COMPONENTS

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VARIABLE VOLTAGE POWER SUPPLY

A MULTI-PURPOSE POWER SOURCE AVAILABLE IN AC, DC, OR AC/DC USED FOR ENERGIZING A WIDE VARIETY OF CIRCUITS AND COMPONENTS FOR TROUBLESHOOTING AND REPAIR.

Testing Applications

- Check contactors
- Test run small motors
- Operate circuit breakers
- Useful for DC fields voltage drop test
- Power-up substation relays or for unregulated charging of substation batteries
- Suitable for other applications requiring a variable voltage supply

Both the voltage and current output levels can be simultaneously read and monitored with the highly accurate meters.

The separate output terminals for both AC and DC voltage provide convenient hookup configurations depending on the type of component being tested.

Models Available

- VMS-1
- VMS-2
- VMS-3
- VMS-4
- VMS-5
- VMS-8

Environmental Conditions

- 10-40°C, indoor/outdoor in fair weather
- Humidity <95% non-condensing

Design Features

- Rugged, high-impact plastic case for years of field use
- Main power circuit breaker with indicator lamp
- Independent overloads for AC and DC
- Output via binding posts and multilam jacks
- High accuracy digital metering
- Fine adjustment Vernier standard on Model VMS-1 only
- Operation/maintenance manual

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VARIABLE VOLTAGE POWER SUPPLY

Model VMS-1

Model VMS-2

Model VMS-3

Model VMS-4

Model VMS-5

Model VMS-8

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Model		VMS-1	VMS-2	VMS-3
Input		110-120 VAC, 10 A, 1-phase	220-240 VAC, 25 A, 1-phase	110-120 VAC, 10 A, 1-phase
		50/60 Hz	50/60 Hz	50/60 Hz
Output	AC	≈ 0-120 VAC, 10 AAC max	≈ 0-220/240 VAC*, 25 AAC max	≈ 0-120 VAC, 10 AAC max
	DC	n/a	≈ 0-300 VDC, 10 ADC max	≈ 0-150 VDC, 5 ADC max
		*Maximum AC output voltage depends on input voltage of the test set		
Duty Cycle		continuous		
Cables Included	Input	6' (1.8 m)	10' (3 m)	10' (3 m)
	Output	10' (3 m)	10' (3 m)	10' (3 m)
Dimensions & Weight	Length	20" (508 mm)	24" (610 mm)	20" (508 mm)
	Width	16" (406 mm)	22" (559 mm)	16" (406 mm)
	Height	8" (203 mm)	24" (610 mm)	8" (203 mm)
	Weight	29 lbs (13 kgs)	105 lbs (48 kgs)	29 lbs (13 kgs)

Model		VMS-4	VMS-5	VMS-8
Input		220-240 VAC, 25 A, 1-phase	120 or 240 VAC, 50 A, 1-phase	120 VAC, 30 A or 240 VAC, 15A, 1-phase
		50/60 Hz	50/60 Hz	50/60 Hz
Output	AC	n/a	≈ 0-240 VAC*, 50 AAC max	≈ 0-240 VAC*, 10 AAC max
	DC	≈ 0-100 VDC, 40 ADC max	≈ 0-100 VDC, 100 ADC max	≈ 0-300 VDC, 10 ADC max
		*Maximum AC output voltage depends on input voltage of the test set		
Duty Cycle		continuous		
Cables Included	Input	10' (3 m)	10' (3 m)	10' (3 m)
	Output	10' (3 m)	10' (3 m)	10' (3 m)
Dimensions & Weight	Length	24" (610 mm)	24" (610 mm)	24" (610 mm)
	Width	22" (559 mm)	22" (559 mm)	22" (559 mm)
	Height	24" (610 mm)	24" (610 mm)	24" (610 mm)
	Weight	144 lbs (65 kgs)	185 lbs (84 kgs)	164 lbs (74 kgs)

Metering	3 1/2 digit, LED display
	AC Voltmeter Accuracy ±0.4% Full Scale ±2 counts
	AC Currentmeter Accuracy ±0.15% Full Scale ±6 counts
	DC Voltmeter Accuracy ±0.1% Full Scale ±1 count
	DC Currentmeter Accuracy ±0.1% Full Scale ±1 count

Option

- ISO17025 calibration

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Specifications are subject to change without notice. Doble is an ISO 9001 & ISO/IEC 17025 & 17034 Certified Company. Doble is an ESCO Technologies Company. PUBLISHED: MAY, 2026