SERIES MSK



Kepco's MSK linear power supplies provide a selection of five models, offering 100 Watts of stable benchtop power. They use a high gain linear (series pass) stabilizer circuit for low noise output, good stability, and accurate resettability.

MSK's "Preview" switch (d-c on-off) allows voltage and current to be pre-set with the digital meters displaying the set values. At "d-c off," no voltage is applied to the output terminals and no load current needs to be drawn to set the current limit. At "d-c on," the set voltage is applied to the output terminals, the appropriate mode indicator illuminates and the meters indicate actual voltage and current.

Convenient heavy duty front panel binding posts, that accept wires or mating "banana" plugs, allow easy connection to your breadboards. A built-in, quiet, low-speed fan ensures good cooling in any environment.

MSK MODEL TABLE						
MODEL	d-c OUTP VOLTS	UT RANGE AMPS	POWER WATTS			
MSK 10-10M	0-10	0-10	0-100			
MSK 20-5M	0-20	0-5	0-100			
MSK 40-2.5M	0-40	0-2.5	0-100			
MSK 60-2M	0-60	0-2	0-120			
MSK 125-1M	0-125	0-1	0-125			

FEATURES

- 10 turn voltage and current controls for exceptional resolution.
- Remote programming by variable resistance.
- Voltage and current mode operation with automatic crossover.
- Voltage and current may be pre-set off-line.
- Linear low noise stabilizer.
- Rack mounting with adapter.





SPECIFICATION	RATING/DESCRIPTION	CONDITION	
INPUT			
Voltage	105-125/210-250V a-c	User selectable (rear switch)	
Current	2.8A rms max	Maximum load, 115V a-c	
Frequency Range	47-63Hz		
OUTPUT			
d-c Output	Series pass	Transistor	
Type of Stabilizer	Automatic crossover	Voltage/current	
Voltage Adjustment Range	0-100% of rating	0 to +45°C	
Current Adjustment Range	0-100% of rating	0 to +45°C	
Error Sense	0.5V per load wire	Voltage allowance(1)	
Voltage Recovery	50µsec typ, 100µsec max	Step load change between 10% and 100% Io max	
Isolation Voltage	500V d-c or peak	Output to ground	
Leakage Current	<5 microamperes	rms at 115V a-c	
Output to Ground	<50 microamperes	p-p at 115V a-c	
OVP	Crowbar SCR Setting tracks output	Transient 5 milliseconds or more	
CONTROL			
Programming	Voltage and current	By resistance	
Voltage	10-turn precision rheostat		
Current	10-turn precision rheostat		
MECHANICAL			
Input Connections	IEC detachable line cord		
Output Connections	Front panel binding posts	Output, sense & ground(2)	
Meters Voltage		±1 digit	
Current	displays	±1% l _o ±1 digit	
Cooling	1800 rpm low noise blower		
Dimensions inches	5¾(3) x 8½ x 135/32		
(HxWxD) mm	146 x 206 x 334		
Finish: Fed Std 595	Light gray, color 26440	Front panel, 2 tone	
Weight (packed for shipment)	19lbs (8.6Kg)	MSK 10-10M, MSK 20-5M, MSK 40-2.5M	
	21lbs (9.5Kg)	MSK 60-2M & MSK 125-1M	

- (1) An additional volt is provided in the output beyond the rating for this purpose.
- (2) Ground terminal permits grounding of either plus or minus output terminal.
- (3) Including feet.

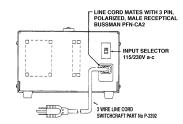
MSK STATIC SPECIFICATIONS					
INFLUENCE QUANTITY		VOLTAGE MODE*	CURRENT MODE*		
Source: 105-125/210-250V a-c		0.01%	0.01%		
Load: No load - full load		0.01%	0.05%		
Time: 8-hour drift		0.01%	0.02%		
Temperature: per °C		0.01%	0.02%		
Ripple and Noise:	rms	0.5mV	0.02%		
	р-р	3.0mV	0.1%		

^{*} Note: Percentage values are referenced to the maximum rated voltage or current of the unit.

OUTLINE DIMENSIONAL DRAWINGS

Fractional dimensions in light face type are in inches, dimensions in bold face type are in millimeters.

Tolerance: \pm 1/64" (0.4) between mounting holes \pm 1/32" (0.8) other dimensions



REAR VIEW

