

Single, dual and triple output Stabilised Laboratory Power Supplies



Still just as robust as before, these up-to-date models are easier to carry and easier on the wallet !

- Linear Technology: stability, low noise
- Active protection against short-circuits, overloads and overheating
- Double insulation of outputs from mains
- Smaller and lighter
- High efficiency toroidal transformers : no forced ventilation and low EM emissions
- Conforms with IEC 61010, Cat. I, 100 V safety standards
- Two-pin safety terminals
- Additional 3 V/5 V output (AX 503)

metrix
The choice of professionals

AX 503 - AX 502 - AX 501 : Stabilised Laboratory Power Supplies

TECHNICAL SPECIFICATIONS	AX 503	AX 502	AX 501
Technology	Linear	Linear	Linear
Number of outputs	3	2	1
• Voltage Regulation			
Output 1	0 to 30 Vdc	0 to 30 Vdc	0 to 30 Vdc
Output 2	0 to 30 Vdc	0 to 30 Vdc	-
Display Resolution	100 mV	100 mV	100 mV
Basic Accuracy	$\pm 0.5\%R + 1D$	$\pm 0.5\%R + 1D$	$\pm 0.5\%R + 1D$
Residual Ripple	< 1 mV RMS	< 1 mV RMS	< 1 mV RMS
Output 3	3 and 5 Vdc (2.7 to 5.5 Vdc)	-	-
• Current Regulation			
Output 1	0 to 2.5 A	0 to 2.5 A	0 to 2.5 A
Output 2	0 to 2.5 A	0 to 2.5 A	-
Resolution	10 mA	10 mA	10 mA
Basic Accuracy	$\pm 0.5\%R + 1D$	$\pm 0.5\%R + 1D$	$\pm 0.5\%R + 1D$
Output 3	5 A (fixed)	-	-
Indication of limitation	LED channels 1, 2 and 3	LED channels 1 and 2	LED channel 1
Short-circuit protection	Electronic current limitation	Electronic current limitation	Electronic current limitation
Protection against overheating	Temperature control	Temperature control	Temperature control
• Output coupling			
Tracking	Output 1 master Output 2 slave	Output 1 master Output 2 slave	-
Series mode	0 to 60 Vdc / 0 to 2.5 A	0 to 60 Vdc / 0 to 2.5 A	-
Parallel mode	0 to 30 Vdc / 0 to 5 A	0 to 30 Vdc / 0 to 5 A	-
• Stability for variation:			
of $\pm 10\%$ in mains	$\pm 0.03\%R + 2 \text{ mV}$	$\pm 0.03\%R + 2 \text{ mV}$	$\pm 0.03\%R + 2 \text{ mV}$
of 0 to 100% in load	$\pm 0.02\%R + 5 \text{ mV}$	$\pm 0.02\%R + 5 \text{ mV}$	$\pm 0.02\%R + 5 \text{ mV}$
of $\pm 10\%$ in mains: (output 3)	$\pm 4 \text{ mV}$	-	-
of 0 to 100% in load: (output 3)	$\pm 0.2\%R + 10 \text{ mV}$	-	-

GENERAL SPECIFICATIONS	AX 503	AX 502	AX 501
Display	3 digits – green LED's Simultaneous V and I / Output 1 and 2	3 digits – green LED's Simultaneous V and I / Output 1 and 2	3 digits – green LED's Simultaneous V and I / Output 1
Fine and coarse adjustment	Output 1 and 2	Output 1 and 2	Output 1
Connections	Two-pin safety terminals Male safety earth yellow/green	Two-pin safety terminals Male safety earth yellow/green	Two-pin safety terminals Male safety earth yellow/green
Reference temperature	23°C \pm 5°C	23°C \pm 5°C	23°C \pm 5°C
Operating temperature	0 to 50°C	0 to 50°C	0 to 50°C
Power requirements	110 VAC \pm 10% / 60 Hz 230 VAC \pm 10% / 50 Hz	110 VAC \pm 10% / 60 Hz 230 VAC \pm 10% / 50 Hz	110 VAC \pm 10% / 60 Hz 230 VAC \pm 10% / 50 Hz
Dimensions (W x H x L)	225 x 120 x 270 mm	225 x 120 x 270 mm	225 x 120 x 270 mm
Weight	6 kg	4.5 kg	4 kg
Safety	IEC 61010– Class 1– Pol. 2 Output : Cat.I, 100 V Mains Supply : Cat.II, 300V	IEC 61010– Class 1– Pol. 2 Output : Cat.I, 100 V Mains Supply : Cat.II, 300V	IEC 61010– Class 1– Pol. 2 Output : Cat.I, 100 V Mains Supply : Cat.II, 300V
Warranty	3 yrs	3 yrs	3 yrs

Characteristics subject to modifications according to technological developments.

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