

AX503 - AX502 - AX501 : 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	± 0.5%R + 1D	± 0.5%R + 1D	± 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	± 0.5%R + 1D	± 0.5%R + 1D	± 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 ± 10% in mains	± 0.03%R + 2 mV	± 0.03%R + 2 mV	± 0.03%R + 2 mV
of 0 to 100% in load	± 0.02%R + 5 mV	± 0.02%R + 5 mV	± 0.02%R + 5 mV
of ± 10% in mains: (output 3)	± 4 mV	-	-
of 0 to 100% in load: (output 3)	± 0.2%R + 10 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 ± 5°C	23°C ± 5°C	23°C ± 5°C
Operating temperature	0 to 50°C	0 to 50°C	0 to 50°C
Power requirements	110 VAC ± 10% / 60 Hz 230 VAC ± 10% / 50 Hz	110 VAC ± 10% / 60 Hz 230 VAC ± 10% / 50 Hz	110 VAC ± 10% / 60 Hz 230 VAC ± 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