

AX501, AX502, AX503, AX503F

**Stabilized power supplies
with 1, 2 or 3 outputs**



Rugged, lightweight, economical and reliable power supplies

- ▶ Linear technology: stability, low noise
- ▶ Active protection against short-circuits, overloads and overheating
- ▶ Outputs with double insulation from the mains supply
- ▶ Compact and lightweight
- ▶ High-efficiency toroidal transformers: no forced ventilation and low radiation
- ▶ Double-well safety terminal
- ▶ Additional output: 5 A and 3.3 V fixed

LABORATORY POWER SUPPLIES

Technical specifications	AX 503	AX 503F	AX 502	AX 501
Technology	Lineal			
Number of outputs	3	3	2	1
Voltage control				
Output 1	0 to 30 VDC			
Output 2	0 to 30 VDC			-
Display resolution	100 mV			
Basic accuracy	± 0.5 % of reading + 1D			
Residual ripple	< 1 mV RMS			
Output 3	3 and 5 VDC (2.7 to 5.5 VDC)	3.3 VDC fixed	-	
Horizontal deflection				
Output 1	0 to 2.5 A			
Output 2	0 to 2.5 A			-
Resolution	100 mA			
Basic accuracy	± 0.5 % of reading + 1D			
Output 3	0 to 5 A	5 A fixed	-	
Indication of limitation	LED channels 1, 2 and 3	LED channels 1, 2 and 3	LED channels 1 and 2	LED channel 1
Short-circuit protection	Electronic current limitation			
Overheating protection	Temperature control			
Coupling of outputs				
Tracking	Output 1 master Output 2 slave			-
Series mode	0 to 60 VDC / 0 to 2.5 A			-
Parallel mode	0 to 30 VDC / 0 to 5 A			-
Stability in the event of variations				
Mains ± 10 %	± 0.03 % of reading + 2 mV			
Load from 0 to 100 %	± 0.02 % of reading + 5 mV			
Mains ± 10 % (Output 3)	± 4 mV		-	
Load from 0 to 100 % (Output 3)	± 20 mV		-	
General specifications	AX 503	AX 503F	AX 502	AX 501
Display	3 digits – green LEDs Simultaneous U and I / Outputs 1 and 2			3 digits – green LEDs Simultaneous U and I
Coarse and fine adjustment	Outputs 1 and 2			Outputs 1
Connections	Double-well safety terminals Yellow/green male earth safety connection			
Reference temperature	23 °C ± 5 °C			
Operating temperature	0 to 50 °C			
Power supply	110 VAC ± 10 % / 60 Hz 230 VAC ± 10 % / 50 Hz			
Dimensions (L x H x W)	225 x 120 x 270 mm			
Weight	6 kg	6 kg	4.5 kg	4 kg
Safety	IEC 61010 - Class 1 - Pol. 2 Output: Cat. I, 100 V Mains power supply: Cat. II, 300 V			
Warranty	3 years			

STATE AT DELIVERY

1 power supply delivered with 1 mains power cable and 1 user manual

REFERENCES

AX501A: 1-channel laboratory power supply, 1 x 30 V / 2.5 A output

AX502A: 2-channel laboratory power supply, 2 x 30 V / 2.5 A outputs

AX503A: 3-channel laboratory power supply, 2 x 30 V / 2.5 A outputs and 1 x 2.7 to 5.5 V / 5 A output

AX503F: 3-channel laboratory power supply, 2 x 30 V / 2.5 A outputs and 1 x 3.3 V / 5 A output

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