LAB/SLR DC power supplies with automatic ranging

120 - 240 W

OVERVIEW

- Two quadrants operation source and load
- Double current or double voltage through automatic range switching
- As a source or load selectable
- Digital display show all system parameter
- Analogue interface 0-5 (10) VDC to set and read out
- Available also as ATE Version
- Interface IEEE 488 and RS232, 12 bit
- Special versions on request

TYPES

Type	Power W	Range 1 VDC	Current 1 A	Range 2 VDC	Current 2 A	Dimensions
LAB/SLR30/15	120	0-30	0-4	0-15	0-8	112x222x360mm
LAB/SLR60/30	120	0-60	0-2	0-30	0-4	112x222x360 mm
LAB/SLR120/60	120	0-120	0-1	0-60	0-2	112x222x360 mm
LAB/SLR 230/215	240	0-30	0-8	0-15	0-16	224x222x360 mm
LAB/SLR 260/230	240	0-60	0-4	0-30	0-8	224x222x360 mm
LAB/SLR 2.120/260	240	0-120	0-2	0-60	0-4	224x222x360 mm

Hauptstraße 119 - 121
D-68804 Altlußheim

phone +49-6205-3948-0
fax +49-6205-37560

e-mail info@et-system.de
web www.et-system.de

OPTIONS

Suffix	Description
/ATE	Without display and manual operation
/AI5	Analogue interface 0 - 5 VDC
/AI10	Analogue interface 0 - 10 VDC
/ATI5	Analogue interface galvanic isolated 0 - 5 VDC
/ATI10	Analogue interface galvanic isolated 0 - 10 VDC
LT	IEEE 488 interface, listener and talker
LTRS232	RS 232 interface, listener and talker
LTRS485	RS 485 interface, listener and talker
LT+LTRS232	IEEE 488.2 & RS 232, listener and talker
LT+LTRS485	IEEE 488.2 & RS 485, listener and talker
/6U	21 HP/42 HP x 6 U Eurocassette
/TG	Handle
/10POT	Potentiometer with scale
/AF	Adjustable Foot
/ECT	19" x 6 U Unit trace
/ECS6	19" x 6 U rack for 4 euro cassettes
/EP21	Blank plate 6 U x 21 HP, grey

TECHNICAL DATAS

Input voltage, switchable	115/230 VAC ± 10%
Isolation	3700 VAC; 4250 VDC
Line regulation	(± 10%) CV: 0,0125%
Line regulation	(± 10%) CC: 0,02%
Load regulation	(10 - 90%) CV: 0,0125%
Load regulation	(10 - 90%) CC: 0,02%
Programming accuracy	< ± 0,5%
Offset	< ± 4,0 mV
Ripple (V_{pp}) CV	< 4,0 mV
Ripple (V_{rms}) CC	< 4,0 mA
Temperature coefficient	25 ppm/°C
Transient response time	< 100 µs
Response time	< 500 µs (typ. < 250 µs)
Sense (V/line)	1,0 V
Operating temperature	0 °C -50 °C
Display	3.5 digits for U and C
Protection	OC / OV / OT / OP
Interface analogue	0 - 5(10)V see options
Interface analogue isolated	0 - 5(10)V see options
Interface RS 232	see options 12 Bit
Interface RS 485	see options 12 Bit
Interface IEEE 488	see options 12 Bit
Operating temperature	0 - 50°C
Operating Humidity	30 - 90% (no dewdrop)
Power derating 50-70°C	-2%/°C
Cooling 120/240 W	Force air front to back
Storage temperature	-45 to +85°C
Storage humidity	10 - 95% (no dewdrop)

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