

Adjustable DC Power Supplies



R124R50E « **DIAMETRAL**
This adjustable stabilised power supply is determined for simple devices and to all places, where is required to adjust the voltage continuously in the range from 0.9V to 24V with possibility to set-up the current limit from 0 ÷ 2A. The power supply is equipped with digital LED display, which shows the voltage or the current

Part No.	Ord.No.
S R124R50E	7724

DC Laboratory Power Supplies



P130R51D « **DIAMETRAL**
Double laboratory power supply with one adjustable power supply with flowing voltage regulation from 0-30V at 0,1 - 4A output current and one constant voltage source 5V/3A.

Part No.	Ord.No.
S P130R51D	7722



P230R51D « **DIAMETRAL**
Triple laboratory power supply with two adjustable power supplies with flowing voltage regulation from 0 to 30V and with possibility of output current limitation from 0,1 ÷ 4A, and one fixed voltage supply 5V/3A. Adjustable power supplies can be connected easily only by pressing a switch into one symmetrical power supply.

Part No.	Ord.No.
S P230R51D	7723



L140R51D « **DIAMETRAL**
one power supply with flowing voltage regulation from 0 ÷ 40V and with possibility of setting the current limit from 0.1 ÷ 3A, and with a fixed voltage source 5V/3A. Individual outputs are galvanically separated.

Part No.	Ord.No.
S L140R51D	55621



L240R51D « **DIAMETRAL**
Triple laboratory power supply is equipped with two power supplies with flowing voltage regulation from 0 ÷ 40V at 0.1 ÷ 3A, and one fixed voltage source 5V/3A. It is supplied with a switch for connection regulated sources into one symmetrical source and fan.

Part No.	Ord.No.
S L240R51D	55622



V130R50D « **DIAMETRAL**
V140R50D
is equipped with an adjustable power supply with flowing voltage regulation from 0 ÷ 30V and with possibility of the output current limitation from 0.1 ÷ 10A. It is suitable for power-demanding applications. Its low ripple and high output current is appreciated mainly by the manufacturers of LF devices.

Type	Ord.No.	Description
S V130R50D	9355	0-30V / 0-10A
O V140R50D	55623	0-40V / 0-10A



Q130R50D « **DIAMETRAL**
is equipped with one adjustable power supply with flowing voltage regulation from 0-30V with possibility of the output current limitation from 0,1-20A. It is suitable for power demanding applications. Its low ripple and high output current is appreciated mainly by the manufacturers of LF devices.

Part No.	Ord.No.
O Q130R50D	48328



M130R50D « **DIAMETRAL**
is equipped with one power supply with flowing voltage regulation from 0-30V/ 0,1-40A, and voltage/current measuring devices. The temperature sensor and fan prevent the power supply from temperature overload.

Part No.	Ord.No.
O M130R50D	48330

DC Adjustable and Laboratory Power Supplies Comparison Table

Technical Parameters	R124R50E	P130R51D	P230R51D	L140R51D	L240R51D	V130R50D	V140R50D	Q130R50D	M130R50D
Supply Voltage	230V/50Hz	230V/50Hz	230V/50Hz	230 V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
Output Voltage	1x 0,9 ÷ 24V	1x 0 ÷ 30V	2x 0 ÷ 30V	1x 0 ÷ 40V	2x 0 ÷ 40V	1x 0 ÷ 30V	1x 0 ÷ 40V	1x 0 ÷ 30V	1x 0 ÷ 30V
Output Current	1x 0 ÷ 2A	1x 0 ÷ 4A	2x 0 ÷ 4A	1x 0 ÷ 3A	2x 0 ÷ 3A	1x 0 ÷ 10A	1x 0 ÷ 10A	1x 0 ÷ 20A	1x 0,2 ÷ 40A
Typical Ripple (regul. part)	5mV	2mV	2mV	2mV	2mV	2mV	2mV	2mV	< 2mV
Maximal Ripple (regul. part)	18mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV	10mV
Constant Voltage	-	1x 5V	1x 5V	1x 5V	1x 5V	-	-	-	-
Constant Current	-	1x 3A	1x 3A	1x 3A	1x 3A	-	-	-	-
Typical Ripple (constant part)	5mV	2mV	2mV	2mV	2mV	-	-	-	-
Maximal Ripple (constant part)	18mV	15mV	15mV	15mV	15mV	-	-	-	-
Category of Measuring Devices	digital	digital	digital	digital	digital	digital	digital	digital	digital
Number of dig. Measuring Devices	1	2	4	2	4	2	2	2	2
Accuracy Category of Meas. Devices	2	2	2	2	2	2	2	2	2
Current Limit Indication	optical	Acust./Opt.	Acust./Opt	Acust./Opt	Acust./Opt	Acust./Opt	Acust./Opt	Acust./Opt	Acust./Opt
Switch-off Sound Indication	-	yes	yes	yes	yes	yes	yes	yes	yes
Blockage Against Peaks During Start	-	yes	yes	yes	yes	yes	yes	yes	yes
Separate Outputs Switch-off	-	yes	yes	yes	yes	yes	yes	yes	yes
Thermostat of Coolers with Ventilator	-	yes	yes	yes	yes	yes	yes	yes	yes
Thermal Safety Fuse for Cooler	yes	no	no	no	no	no	yes	yes	yes
Max. Power Consumption	50 W	160 W	320 W	160 W	320 W	320 W	660 W	620W	2150W
Dimensions in mm (h/w/d):	90x170x153	172x164x282	172x244x282	172x164x282	172x244x282	172x244x282	172x244x282	172x360x282	322x442x282
Weight:	2,9kg	6,1kg	10kg	6,1kg	10kg	9,8kg	11,5kg	19kg	26kg