

# Bench Top Remote Programmable Linear Mode Power Supplies

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**MP710077 & MP710077 US**



**MP710078 & MP710078 US**

## Description

These are of low power, low current, high precision laboratory grade analogue supply merges with the advanced MCU control and PC interface via USB and optional Ethernet is ideal for working & testing with digital electronics, mobile devices and other low power devices.

It is ideal for noise-sensitive applications, like communication, audio visual and measuring devices.

## Feature

- 1 × Variable output, 2 × Isolated fixed outputs
- 115V AC or 230V AC Selectable input
- Remote Programmable via USB or LAN (with optional LAN Card)
- On housing 10 Steps Waveform generators with cycle periods running
- 3 users defined V and I panel presets for frequent use
- Resolution 10mV and 1mA with 4 digits displays
- Smart cooling fan speed control from zero to full speed Lab
- Standard Commands of Programmable Instruments (SCPI) command syntax

## Specifications

Part Number	MP710077& MP710077 US	MP710078 & MP710078 US
Variable Output Voltage	0.1V DC to 18V DC	0.1V DC to 32V DC
Variable Output Current	0 to 6A	0 to 3.5A
<b>Voltage Regulation</b>		
Load (10-90% Rated Current)		≤10mV
Line (±10% Variation)		≤5mV
<b>Current Regulation</b>		
Load (10-90% Rated Voltage)		≤ 3mA
Line (±10% Variation)		≤ 2mA
Ripple & Noise (r.m.s)		≤ 5mV

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Part Number	MP710077& MP710077 US	MP710078 & MP710078 US
<b>Auxiliary Fix Output</b>		
Aux. 1 output	5mV DC/3.3V DC (Selectable), 0.8A	
Aux. 2 output	12V DC, 0.8A	
Tracking Over Voltage Protection	O/P ≤ 5V : Set voltage +1V O/P > 5V : Set voltage x 120%	
Voltage Setting Resolution	10mV	
Current Setting Resolution	1mA	
<b>Meter Type and Accuracy</b>		
Voltage Meter	4 Digit LED Display (±0.5% +5 digits, <10) (±0.5% +2 digits ≥10V)	
Current Meter	4 Digit LED Display (±0.5% +5 digits, <0.5A) (±0.2% +2 digits >0.5A)	
Cooling Method	Thermostatic Control Fan (0 to full speed)	
Protections	Overload, Short Circuit by Constant Current, Output Tracking Over Voltage, Over Temperature	
Special Feature	3 User defined V and I preset, Remote V, I, and output on-off	
Presets Cycle Programming	10 steps waveform generator Max. preset cycle 999	
Commend Set	SCPI	
Communication Types	USB (bundle); Ethernet (Optional)	
Approvals	CE EMC: EN 55011, 55022 LVD: EN 60950, 61010	
Input Voltage	115V AC / 230V AC, 60Hz / 50Hz	
Full Load Input Current	≤ 1.1A @ 230V AC	
Dimensions (W×H×D)	151mm×132mm×260mm	
Weight	~5.1kgs	

All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

## Accessories

AC Power Cord (UK / EU) or (US), Test Lead Set, USB Cable and Quick Start Guide

## Standard Warranty

12 Months

## Note:

AEN-8102 Ethernet Card is not included as standard Accessory.

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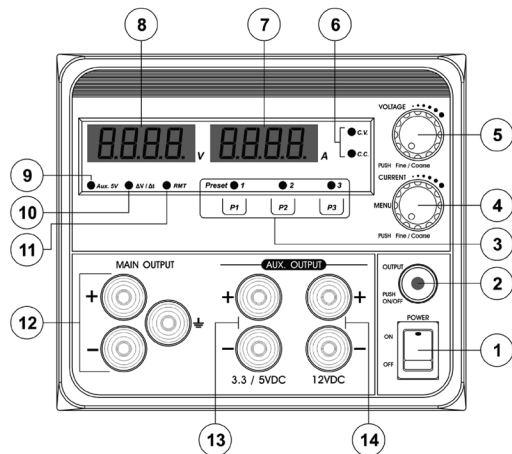


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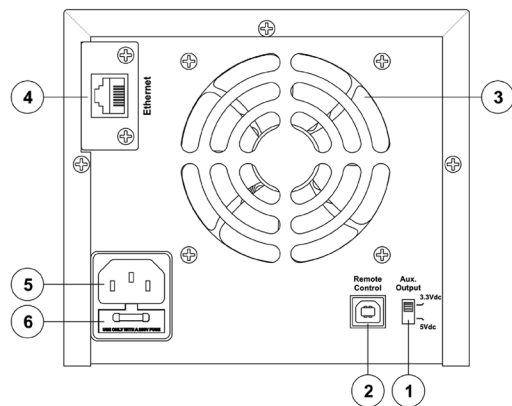
## Indications

### Front Panel



1. Main Power Switch
2. Output ON/OFF button
3. Preset 1/ 2/ 3 selection and LED indication
4. Main output Current limit adjust knob and Menu entry
5. Main output Voltage limit adjust knob
6. C.V./C.C. mode indication
7. Ammeter
8. Voltmeter
9. Auxiliary Output 5V indicator
10. Wave Form generation cycle running indicator
11. Remote control indicator
12. Adjustable Main Output
13. Auxiliary output 1 for 3.3V/ 5V
14. Auxiliary output 2 for 12V

### Back Panel



1. Auxiliary 1 3.3V/ 5V selection
2. USB Remote Control port
3. Cooling Fan
4. Ethernet port (Ethernet model only)
5. AC power plug
6. AC FUSE

## Part Number Table

Description	Part Number
Programmable Linear Mode Power Supply, 100mV DC to 18V DC, 6A, UK / EU	MP710077
Programmable Linear Mode Power Supply, 100mV DC to 32V DC, 3.5A, UK / EU	MP710078
Programmable Linear Mode Power Supply, 100mV DC to 18V DC, 6A, US	MP710077 US
Programmable Linear Mode Power Supply, 100mV DC to 32V DC, 3.5A, US	MP710078 US

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