

Programmable Linear Bench Top DC Power Supplies

multicomp PRO

**RoHS
Compliant**



Description

This series DC power supply with three independent outputs is a cost-effective programmable DC power supply with excellent performance, reliable output and clear interface.

The instrument has constant voltage (CV) and constant current (CC) modes, short-circuit and over-voltage protection functions, which can perfectly meet various test requirements.

Features

- High precision 4-digit voltage and current display
- Over voltage/current/temperature protection
- Output voltage/current settings viewable
- USB-Device, RS232 interface
- Shutdown memory
- Keyboard lock
- Intelligent temperature-controlled fan
- 5V/2A USB charging interface
- 5 sets of setup storage: M1-M5

Specifications

| | | |
|---|------------------|--|
| Output voltage (CH1/CH2) | 0V to 30V | |
| Output current (CH1/CH2) | 0A to 3A | |
| Output power | 195W | |
| Resolution | 10mV, 1mA | |
| Power regulation | CV Mode | $\leq 0.01\% + 3\text{mV}$ |
| | CC Mode | $\leq 0.2\% + 3\text{mA}$ |
| Load regulation | CV Mode | $\leq 0.01\% + 3\text{mV} (\leq 3\text{A}) \leq 0.02\% + 5\text{mV} (> 3\text{A})$ |
| | CC Mode | $\leq 0.2\% + 3\text{mA}$ |
| Programming accuracy (25°C+5°C) | Voltage | $\leq 0.1\% + 30\text{mV}$ |
| | Current | $\leq 0.5\% + 2\text{mA}$ |
| Ripple and noise (20Hz~20MHz) | Voltage | $\leq 1\text{mVrms}$ |
| | Current | $\leq 3\text{mA}_{\text{rms}}$ |
| Temperature coefficient | Voltage, Current | $\leq 300\text{ppm}$ |
| Parallel Mode | Power regulation | $\leq 0.01\% + 3\text{mV}$ |
| | Load regulation | $\leq 0.01\% + 3\text{mV}$ (rated current $\leq 3\text{A}$) |
| $\leq 0.02\% + 5\text{mV}$ (rated current $> 3\text{A}$) | | |

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO

Programmable Linear Bench Top DC Power Supplies

multicomp PRO

| | | |
|---|-----------------------------|--|
| Series Mode | Power regulation | ≤0.01%+5mV |
| | Load regulation | ≤300mV |
| | Error | ≤0.5%+10mV (10~30V no-load); (access load ≤ 300mV) |
| ≤0.5%+30mV (0~9.99V no-load); (access load ≤ 300mV) | | |
| CH3 output features | Voltage | 1.8V/2.5V/3.3V/5.0V (+3% Can be fine-tuned) |
| | Current | 3.2A |
| | Power regulation (25°C+5°C) | ≤ 5mV |
| | Load regulation (25°C+5°C) | ≤15mV |
| USB (CH4) | Output Voltage | 5V+0.25V |
| | Output Current | 2A |

| General Characteristics | |
|-------------------------|---------------------------------------|
| Power | AC 100V/120V/220V/230V±10%, 50Hz/60Hz |
| Display | EBTN LCD |
| Product net weight | 8.8kg |
| Product size (WxHxD) | 240mm × 168mm × 347mm |
| Warranty | 03 years |

Part Number Table

| Description | Part Number |
|--|-------------|
| Programmable Linear Bench Top DC Power Supplies, 3 CH, EU/UK | MP711000 |

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp PRO