

## DuP/DuPR MODELS: 0.1-3.00 AMPERES

### Product Features



- ▶ System Output: DC, High Frequency Pulse (HFP) or Pulse Reverse.
- ▶ Current outputs from 0.1-3.00 amperes average.
- ▶ Voltage output of 10 volts.
- ▶ Multiple options for control interfaces.
- ▶ Custom sizes and configurations available.
- ▶ Small package size: linear technology.
- ▶ Rugged, environmentally-sealed, powder-coated enclosure.

### Product Overview

The MicroStar DuP/DuPR Series power supply is based on linear technology. The control interface features a fully-programmable microprocessor. Menus are accessible to set ampere time, real-time cycles, output tolerance requirements and more.

- ▶ Patented Extended Operating Range
- ▶ Real Time Cycle (RTC) Control
- ▶ Ampere Time Cycle Control (ATC) and Time Totalizer
- ▶ Ampere Time Totalizer
- ▶ Constant current, constant voltage, and cross-over regulation modes
- ▶ High Frequency Pulse (HFP) Output Capability:
  - DC to 5000 Hz pulses
- ▶ FrontPanel+ Host Control Program for process set-up and process storage/data logging
- ▶ RS485 serial port and USB port for host control
- ▶ Electronic overload, over-temperature, and short circuit protection
- ▶ Save/recall up to 10 different process steps
- ▶ Convection cooled

### Performance Specifications

- ▶ Line Regulation: +/- 1% of setting or +/- 0.1% of maximum rating, whichever is greater
- ▶ Load Regulation: +/- 1% of setting or +/- 0.1% of maximum rating, whichever is greater
- ▶ Digital Meter Accuracy: +/- 1% plus L.S.D.
- ▶ Temperature Stability: 0.2% of peak rating after 15 minute warm up
- ▶ Ripple: <1% RMS of maximum rated output voltage

### Options

- ▶ Recipe creation and storage
- ▶ Analog interface board: 4-20mA, 0-5V, or 0-10V
- ▶ Auxiliary totalizer with relay output to turn on/off pump, mixer, etc.
- ▶ Ramp timer
- ▶ Trickle current

## DuP MODELS: 0.1-3.00 AMPERES (FORWARD ONLY)

Model	Voltage (DC)	Max Avg/Peak Current	Voltmeter Resolution	#Amp Meter Resolution	AC Input
DuP10-1-3	0-10	0.1 / 0.3 A	*00.1/0.01 V	0.1mA AT OUTPUT SETTINGS OF 3.0mA TO 300.0mA	A, B
DuP10-5-1.5	0-10	0.5 / 1.5 A	*00.1/0.01 V	0.1mA AT OUTPUT SETTINGS OF 15.0mA TO 149.9mA 0.001A AT OUTPUT SETTINGS OF 0.150A TO 1.500A	A, B
DuP10-1-3	0-10	1 / 3 A	*00.1/0.01 V	0.1mA AT OUTPUT SETTINGS OF 30.0mA TO 299.9mA 0.001A AT OUTPUT SETTINGS OF 0.300A TO 3.000A	A, B
DuP10-3-6	0-10	3 / 6 A	*00.1/0.01 V	0.1mA AT OUTPUT SETTINGS OF 60.0mA TO 599.9mA 0.001A AT OUTPUT SETTINGS OF 0.600A TO 6.000A	A, B

**\*Resolution read out automatically at output of 10 volts**

**#Meter Resolution: Forward or Effective**

**Minimum Suggested Setting: 1% of peak current rating**

#### AC Input Options:

**A:** 110-120 VAC, 50-60 Hz, 1 Phase

**B:** 208-240 VAC, 50-60 Hz, 1 Phase

*Specifications subject to change without notification*

## DuPR MODELS: 0.1-3.00 AMPERES (FORWARD OR REVERSE)

Model	Voltage (DC)	Max Avg/Peak Current	*Voltmeter Resolution	#Amp Meter Resolution	AC Input
DuPR10-1-3	0-10	0.1 / 0.3 A	*00.1/0.01 V	0.1mA AT OUTPUT SETTINGS OF 3.0mA TO 300.0mA	A, B
DuPR10-5-1.5	0-10	0.5 / 1.5 A	*00.1/0.01 V	0.1mA AT OUTPUT SETTINGS OF 15.0mA TO 149.9mA 0.001A AT OUTPUT SETTINGS OF 0.150A TO 1.500A	A, B
DuPR10-1-3	0-10	1 / 3 A	*00.1/0.01 V	0.1mA AT OUTPUT SETTINGS OF 30.0mA TO 299.9mA 0.001A AT OUTPUT SETTINGS OF 0.300A TO 3.000A	A, B
DuPR10-3-6	0-10	3 / 6 A	*00.1/0.01 V	0.1mA AT OUTPUT SETTINGS OF 60.0mA TO 599.9mA 0.001A AT OUTPUT SETTINGS OF 0.600A TO 6.000A	A, B

**\*Resolution read out automatically at output of 10 volts**

**#Meter Resolution: Forward, Reverse or Effective**

**Minimum Suggested Setting: 1% of peak current rating**

#### AC Input Options:

**A:** 110-120 VAC, 50-60 Hz, 1 Phase

**B:** 208-240 VAC, 50-60 Hz, 1 Phase

#### Physical Size of All Models:

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