Dynatronix
A Process Technology Company

MICROSTAR SERIES

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.
- 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 and 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, process storage and 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

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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 XR	0-10	0.1 / 0.3 A	*0.1/0.01 V	0.0 - 100.0 MILLIAMPS (AVERAGE) IN 0.1 MILLIAMP INCREMENTS	A, B
DuP10-1-3 XR	0-10	1 / 3 A	*0.1/0.01 V	0.0 - 299.9 MILLIAMPS (AVERAGE) IN 0.1 MILLIAMP INCREMENTS	A, B
				300 - 1000 MILLIAMPS (AVERAGE) IN 1 MILLIAMP INCREMENTS	
DuP10-3-6 XR	0-10	3 / 6 A	*0.1/0.01 V	0.0 - 599.9 MILLIAMPS (AVERAGE) IN 0.1 MILLIAMP INCREMENTS	A, B
				600 - 3000 MILLIAMPS (AVERAGE) IN 1 MILLIAMP INCREMENTS	

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 XR	0-10	0.1 / 0.3 A	*0.1/0.01 V	0.0 - 100.0 MILLIAMPS (AVERAGE) IN 0.1 MILLIAMP INCREMENTS	A, B
DuPR10-1-3 XR	0-10	1 / 3 A	*0.1/0.01 V	0.0 - 299.9 MILLIAMPS (AVERAGE) IN 0.1 MILLIAMP INCREMENTS	A, B
				300 - 1000 MILLIAMPS (AVERAGE) IN 1 MILLIAMP INCREMENTS	
DuPR10-3-6 XR	0-10	3 / 6 A	*0.1/0.01 V	0.0 - 599.9 MILLIAMPS (AVERAGE) IN 0.1 MILLIAMP INCREMENTS	A, B
				600 - 3000 MILLIAMPS (AVERAGE) IN 1 MILLIAMP INCREMENTS	

***Meter readings below 10 volts will show 0.01 Volt Resolution**

#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

Physical Size of All Models:

5.85” High x 12” Wide x 13.5” Deep

Specifications subject to change without notification

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