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
# MICROSTAR SERIES

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage (DC)</th>
<th>Max Avg/Peak Current</th>
<th>Voltmeter Resolution</th>
<th>#Amp Meter Resolution</th>
<th>AC Input</th>
</tr>
</thead>
<tbody>
<tr>
<td>DuP10-1-3 XR</td>
<td>0-10</td>
<td>0.1 / 0.3 A</td>
<td>*0.1/0.01 V</td>
<td>0.0 - 100.0 MILLIAMS (AVERAGE) IN 0.1 MILLIAMP INCREMENTS A, B</td>
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<td>0-10</td>
<td>1 / 3 A</td>
<td>*0.1/0.01 V</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>300 - 1000 MILLIAMS (AVERAGE) IN 1 MILLIAMP INCREMENTS</td>
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</tr>
<tr>
<td>DuP10-3-6 XR</td>
<td>0-10</td>
<td>3 / 6 A</td>
<td>*0.1/0.01 V</td>
<td>0.0 - 599.9 MILLIAMS (AVERAGE) IN 0.1 MILLIAMP INCREMENTS A, B</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>600 - 3000 MILLIAMS (AVERAGE) IN 1 MILLIAMP INCREMENTS</td>
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## DuPR MODELS: 0.1-3.00 AMPERES (FORWARD OR REVERSE)

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*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