DC PRECISE MODELS: 0.1-3.00 AMPERES

Product Features
- System Output: DC
- Current outputs from 0.1-3.00 amperes.
- Voltage output of 12 volts.
- Multiple options for control interfaces.
- Small package size: linear technology.
- Rugged, environmentally-sealed, powder-coated enclosure.

Product Overview
The MicroStar DC Precise 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)
- Ampere Time Totalizer
- Constant current, constant voltage, and cross-over regulation modes
- FrontPanel+ Host Control Program for process set-up and 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 0-12V
- Auxiliary totalizer with relay output to turn on/off pump, mixer, etc.
- Ramp timer
- Trickle current
## DC PRECISE MODELS: 0.1-3.00 AMPERES

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage (DC)</th>
<th>Current (Amps)</th>
<th>Voltmeter Resolution</th>
<th>Amp Meter Resolution</th>
<th>AC Input</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC12-1 XR</td>
<td>0-12</td>
<td>0-1</td>
<td>*0.1/0.01 V</td>
<td>0.0 - 99.9 MILLIamps (AVERAGE) IN 0.1 MILLIAMP INCREMENTS</td>
<td>A, B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>100 - 1000 MILLIamps (AVERAGE) IN 1 MILLIAMP INCREMENTS</td>
<td></td>
</tr>
<tr>
<td>DC12-3 XR</td>
<td>0-12</td>
<td>0-3</td>
<td>*0.1/0.01 V</td>
<td>0.0 - 299.9 MILLIamps (AVERAGE) IN 0.1 MILLIAMP INCREMENTS</td>
<td>A, B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>300 - 3000 MILLIamps (AVERAGE) IN 1 MILLIAMP INCREMENTS</td>
<td></td>
</tr>
</tbody>
</table>

*Meter readings below 10 volts will show 0.01 Volt Resolution

Minimum Suggested Setting: 1% of maximum rated output

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” x 12” x 13.5” (H x W x D)

Specifications subject to change without notification