

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

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Model	Voltage (DC)	Current (Amps)	Voltmeter Resolution	Amp Meter Resolution	AC Input
DC12-1 XR	0-12	0-1	*0.1/0.01 V	0.0 - 99.9 MILLIAMPS (AVERAGE) IN 0.1 MILLIAMP INCREMENTS	A, B
				100 - 1000 MILLIAMPS (AVERAGE) IN 1 MILLIAMP INCREMENTS	
DC12-3 XR	0-12	0-3	*0.1/0.01 V	0.0 - 299.9 MILLIAMPS (AVERAGE) IN 0.1 MILLIAMP INCREMENTS	A, B
				300 - 3000 MILLIAMPS (AVERAGE) IN 1 MILLIAMP INCREMENTS	

***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