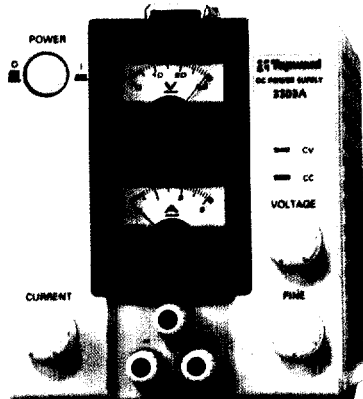


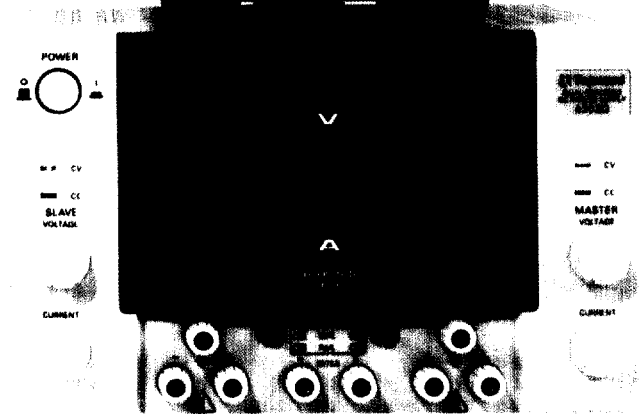
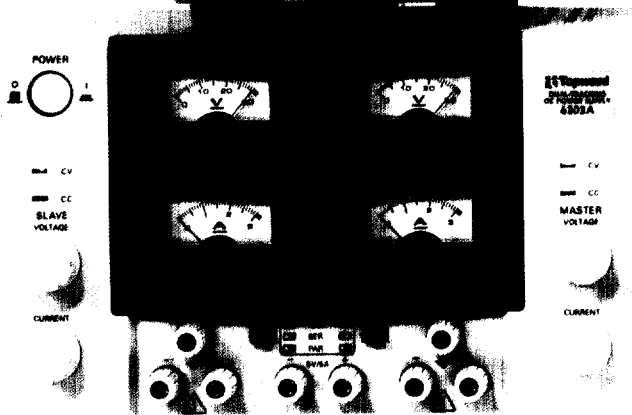
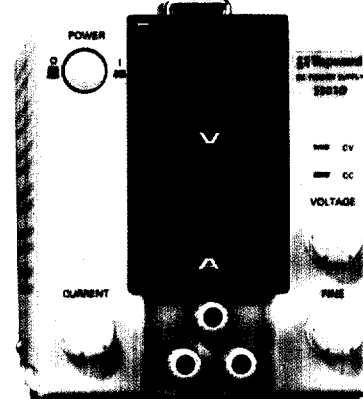
LABORATORY DC POWER SUPPLY

3000A/D • 6000A/D SERIES

3000A



3000D



6000A

6000D

FEATURES

- Single, triple output models, up to 120 volts and 12 amperes.
- Continuously variable voltage and current controls from zero to rated outputs.
- Excellent line/load regulations. Low ripple and noise.
- Simultaneous analog/digital display for voltage and current.
- Constant voltage (CV) or constant current (CC) mode operation with LED status indicators.
- Floating output design. Use as a positive or negative DC source.
- Short circuit protected, compact size with convection cooling.
- Independent, series, parallel switching function.
- Ideal for electronic servicing, design labs, education, manufacturing applications

General Specifications

Models 3000 A/D, 6000 A/D series

Output Voltage	Zero to rated voltage continuously variable with front panel voltage knob
Output Current	Zero to rated current continuously variable with front panel current knob
Line Regulation	CV $\pm 0.01\% + 2\text{mV}$; CC $\pm 0.01\% + 2\text{mA}$
Load Regulation	CV $\pm 0.01\% + 2\text{mV}$; CC $< 10\text{mA}$ @ 100W; $< 15\text{mA}$ @ above 100W
Ripple & Noise	CV $< 0.5 \text{ mVrms}$ @ 100W; $< 1 \text{ mVrms}$ @ above 100W CC $< 1 \text{ mArms}$ @ 100W; $< 3 \text{ mArms}$ @ above 100W
Transient Response	$< 100 \mu\text{S}$ to within 0.1% of set voltage (50% to 100% load change)
Output Impedance	$< 2 \text{ m}\Omega + 2 \text{ mH}$
Operating Range	0 to 40 °C ambient temperature
Display Accuracy	3% of full scale (Analog meter); $\leq 0.1\% + 2$ digits (Digital meter)
Overload Protection	Automatic crossover from CV to CC mode
Series Connection	Different models can be chained to increase output up to 240 Vdc
Parallel Connection	Another same model can be paralleled to increase output to 24 Amps.
Power Requirement	100/120/220/240 $\pm 10\%$ Vac; 50/60 Hz single phase
Accessories Supplied	Power cord; hook-up leads; instruction manual

Other Specifications

Model 6000 A/D series only

5V/5A Fixed Supply	Regulation $\leq 10 \text{ mV}$; Ripple & Noise $\leq 2 \text{ mVrms}$; Output: $5\text{V} \pm 0.25\text{V}$
Tracking Accuracy	$\pm 0.2\% + 10 \text{ mV}$
Operation Mode Switch	
Independent	Two fully independent variable supplies at rated voltage and current and a fixed 5V/5A supply
Series	One variable supply with 2X rated voltage output at rated current. Or, one dual polarity tracking supply with rated output and current. Plus a fixed 5V/5A supply
Parallel	One variable supply with rated voltage at 2X rated current and a fixed 5V/5A supply.

Ordering Information

	Model	Description	Model	Description
Analog Display	3302A	0-30V/0-2A Single	3303A	0-30V/0-3A Single
	3601A	0-60V/0-1A Single	6302A	0-30V/0-2A X 2; 5V/5A Triple
	6303A	0-30V/0-3A X 2; 5V/5A Triple	6306A	0-30V/0-6A X 2; 5V/5A Triple
	6603A	0-60V/0-3A X 2; 5V/5A Triple		
Digital Display	3302D	0-30V/0-2A Single	3303D	0-30V/0-3A Single
	3306D	0-30V/0-6A Single	33010D	0-30V/0-10A Single
	3601D	0-60V/0-1A Single	3603D	0-60V/0-3A Single
	6302D	0-30V/0-2A X 2; 5V/5A Triple	6303D	0-30V/0-3A X 2; 5V/5A Triple
	6306D	0-30V/0-6A X 2; 5V/5A Triple	6603D	0-60V/0-3A X 2; 5V/5A Triple