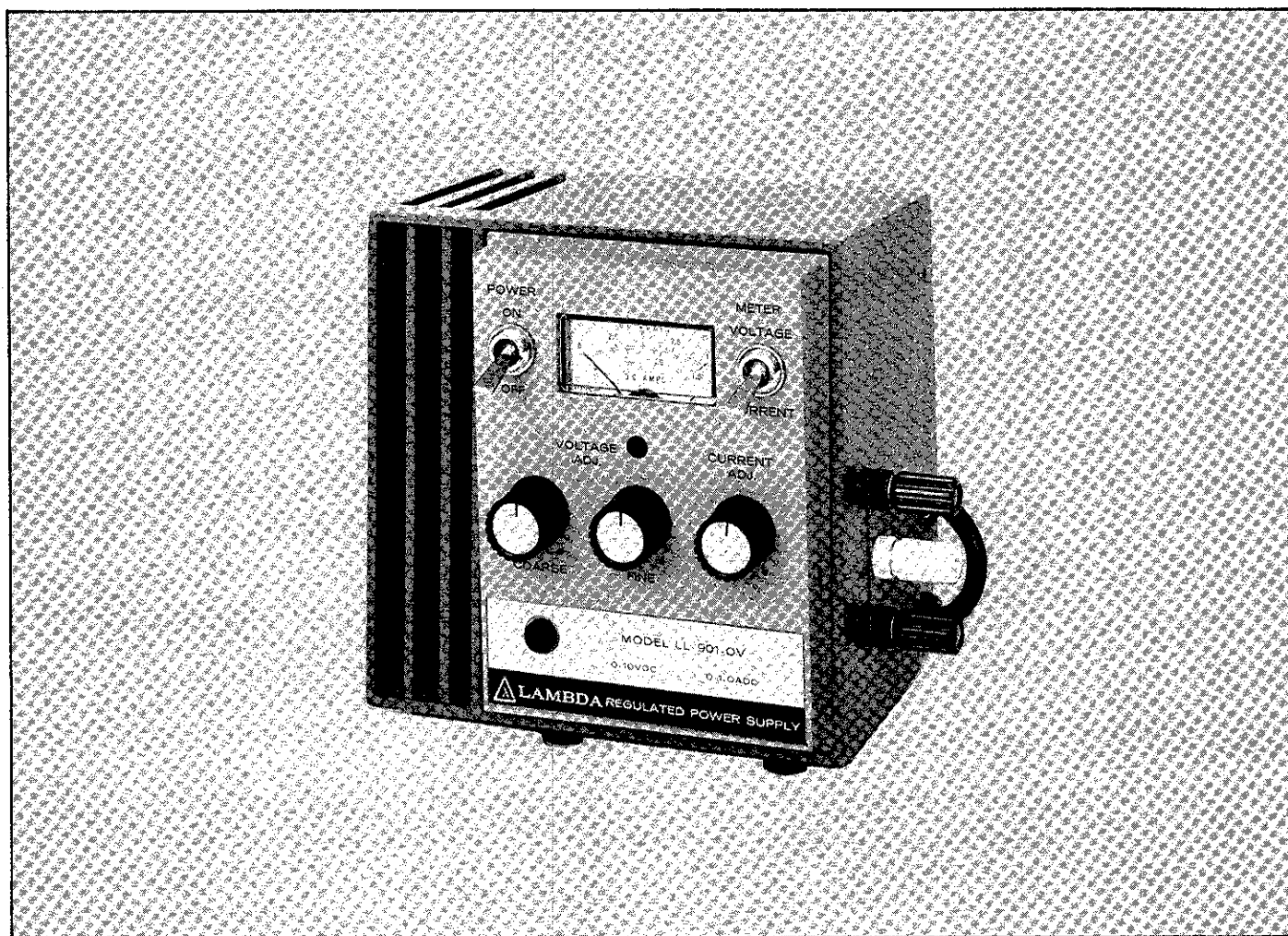


## PART III—LAB, TEST EQUIPMENT AND SYSTEM POWER SUPPLIES

# Lambda LL series



## Features — LL series

5 year guarantee

All-silicon DC power supply using an integrated circuit to provide regulation system.

Convection cooled

Multi-position operation: lies flat or stands erect

Die-cast aluminum construction

No overshoot on turn-on, turn-off or power failure

Adjustable current limiting 0 to 110% of rating

Controls: coarse voltage adjust, fine voltage adjust, current adjust, ON/OFF switch, meter function switch

Built-in tracking overvoltage protection models available

MODEL	ADJ. VOLT. RANGE VDC	CURRENT RANGE (1)	PRICE
3 models with built-in tracking overvoltage protection			
LL-901-OV	0-10	0-1 amp	\$383
LL-902-OV	0-20	0-0.65 amp	383
LL-903-OV	0-40	0-0.35 amp	383
LL-905	0-120	0-65 ma	412

### NOTES:

(1) Consult factory for operation at 400 Hz or temperatures above 50° C.  
Ratings apply 0-50° C.

# Specifications—LL series

## DC Output

voltage ranges: 0-10 V, 0-20 V, 0-40 V, 0-120 V.

## Regulated Voltage

regulation, line ..... 0.01% + 1 mV

regulation, load ..... 4 mV

ripple and noise ..... 250  $\mu$ V RMS

1 mV pk-pk

temperature

coefficient ..... (0.015% + 300  $\mu$ V)/°C

## AC Input

line ..... 105-132 VAC 47-440 Hz (current ratings based on 57-63 Hz) derate current 10% for 50 Hz operation.

187-242 VAC, 205-265 VAC, 45-440 Hz, see "AC Input Option"

power ..... LL-901-OV, 30 Watts;

LL-902-OV, 32 Watts;

LL-903-OV, 32 Watts;

LL-905, 15 Watts

## Ambient Operating Temperature Range

Continuous duty from 0° to +50° C.

## Storage Temperature Range

—40° C to +85° C.

## Overload Protection

### ELECTRICAL

External overload protection: automatic electronic current limiting circuit limits the output current to a preset value, thereby providing protection for load as well as the power supply. Automatic current limiting is adjustable from 0-110% of rating.

## Overvoltage Protection

Built-in tracking overvoltage protection on LL-901-OV, LL-902-OV and LL-903-OV.

## Input Connections

Heavy-duty, 3-wire line cord provided.

## Output Connections

5-way binding posts on side panel.

## Meter

Dual function meter measures voltage or current output as selected by meter function switch on front panel.

## Controls

### DC OUTPUT CONTROLS

Course voltage adjust, fine voltage adjust and current adjust on front panel. On models LL-901-OV, LL-902-OV and LL-903-OV adjustment of voltage control allows overvoltage protector to track voltage output automatically.

## POWER

On-off switch on front panel.

## METER

Function switch to measure output voltage or current.

## Multiposition Operation

Lies flat or stands erect.

## Physical Data

### SIZE

5-5/8"W x 5-1/2"H x 3-7/8"D

### WEIGHT

5 lbs. net, 7 lbs. ship.

## Accessories

Pot covers. See page 105.

## Options

### AC INPUT

Add Suffix	For Operation at:	Price
—V	187-242 VAC, 47-440 Hz	\$25
—V <sub>1</sub>	205-265 VAC, 47-440 Hz	\$25

Derate current 10% for 50 Hz operation.

## Guaranteed for 5 years

5-year guarantee includes labor as well as parts. Guarantee applies to operation at full published specifications at end of 5 years.