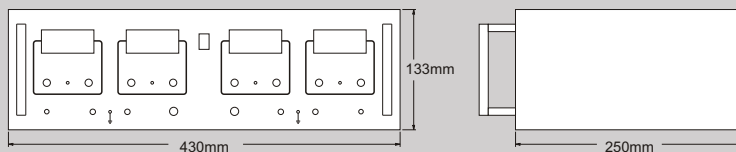
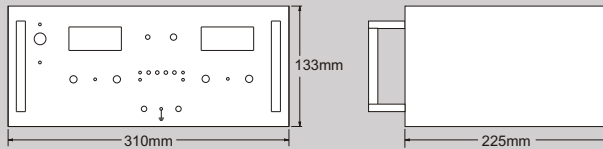


## Regulated DC Power Supplies



The New Series offers a range of Linear DC Regulated Power Supplies for use in Laboratories & Industries. Output voltage and current values are displayed on a 3 digit DPM.

These table top units are designed for 19" Rack Mounting.

There are ten models to choose from, with output power ranging from 30 watts to 300 watts. Output voltages of 0-16V, 0-32V, 0-64V and 0-128V DC are available for single output supplies. There are four Dual output models with two independent isolated outputs. These outputs could be connected in series or parallel to double the voltage or current.

All the models operate in either constant voltage or constant current mode and are fully protected against continuous output short circuit and overload.

DIGITAL LAB SUPPLIES are being sold all over the world since 1974 and several thousand units are currently in service.

### OPTIONS AT EXTRA COST

- 1) 19" Rack mounting only for PS with 430mm width.
- 2) Over voltage protection.
- 3) Input 115V AC  $\pm 10\%$ .

- 19" Rack Adaptable - 3U High
- Digital Output Metering  
3 Digit DPM
- Constant Voltage/Constant Current Operation
- High Stability and Close Regulation  $\pm 0.01\%$
- Proven Reliability and Endurance
- 3U High
- Remote Sensing Facility for 5A & Above Rating Models

### Regulated DC Power Supply

#### DIGITAL LAB SELECTION GUIDE

OUTPUT	SINGLE OUTPUT 30-300W			MODEL
	DC OUTPUT		DIMENSIONS W x H x D (mm)	
	VOLTAGE	CURRENT		
16V	0-16V	0-2A	210 x 133 x 250	L1602
	0-16V	0-6A	310 x 133 x 250	L1606
	0-16V	0-10A	430 x 133 x 250	L1610
32V	0-32V	0-2A	210 x 133 x 250	L3202
	0-32V	0-5A	430 x 133 x 250	L3205
	0-32V	0-10A	430 x 133 x 250	L3210
64V	0-64V	0-3A	430 x 133 x 250	L6403
	0-64V	0-5A	430 x 133 x 250	L6405
128V	0-128V	0-1A	310 x 133 x 250	L1281
	0-128V	0-2.5A	430 x 133 x 250	L1282

#### DIGITAL LAB SELECTION GUIDE

OUTPUT	DUAL OUTPUT			MODEL
	VOLTAGE	CURRENT	DIMENSIONS W x H x D (mm)	
2	0-16V	0-2A	430 x 133 x 250	LD1602
	0-32V	0-2A	430 x 133 x 250	LD3202
	0-32V	0-3A	430 x 177 x 250	LD3203
2	0-64V	0-2A	430 x 177 x 250	LD6402

Load Regulation to be measured at sense terminals wherever provided.

For 10% variation in input voltage with constant rated load. All dimensions are behind the panel and excluding legs. Load change from no load to full load. Change in output voltage from zero volt (Short circuit) to max. output voltage. WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENTS AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGE D WITHOUT NOTICE

#### SPECIFICATIONS

**Output Voltage & Current :** See Selection Guide.

**Metering :** 3 Digit DPM.

**Meter Accuracy :** ±3 counts.

**Constant Voltage Mode :**

**Regulation :**

**Line :** ±0.01% ±2mV for ±10% change in line output.

**Load :** ±0.01% ±2mV for load change from zero to full load.

**Ripple & Noise :** 1mV rms max. 20Hz - 20MHz.

**Constant Current Mode :**

**Regulation :**

**Line :** ±0.1% ±250µA for ±10% line change.

**Load :** ±0.1% ±250µA for change in output voltage from 0 Volts to maximum output voltage.

**Ripple & Noise :** 0.04% rms.

**Mode Indication :** LED indication for constant voltage / constant current operating mode.

**Output Polarity :** Floating w.r.t. ground.

**Overload Protection :** Automatic overload and short circuit protection.

**Transient Response :** 100µsecs to within 10mV of set output voltage for load change from 10% to 90%.

**Stability :** Total drift within 8 hours, after warm-up.

< ±0.2% plus 5mV in constant voltage mode.

< ±0.5% plus 5mA in constant current mode with constant line, load and ambient temperature conditions.

**Operating Temperature :** 0-50°C.

**Line Voltage :** 230V AC ±10% 50Hz, single phase.

**NOTE :** REGULATION TO BE MEASURED AT SENSE TERMINALS.

**CUSTOM CAPABILITY :** SPECIAL VOLTAGE AND CURRENT RATINGS AVAILABLE ON REQUEST.