

The front panel consists of: Power on/off switch; power-on LED; ammeter, voltmeter; ammeter polarity switch; voltmeter polarity switch; dual tracking pot; negative output pot; overload LED (Positive); overload LED (Negative); output terminals; output on/off. The rear panel contains output terminals, parallel operation terminals and remote control terminals.

PLZ series instruments are precision, programmable electronic load devices that will operate in either a constant current or constant resistance mode. One model (50-15) will also operate in a constant voltage mode (as shunt regulator).

In the constant resistance mode these instruments can be used to test DC power sources by providing static or dynamic resistance loading. Continuously variable resistor values are selectable from the front panel.

In the constant current mode, they can be used to test DC power sources or to discharge batteries and capacitor banks. Two continuously variable current ranges are selectable from the front panel.

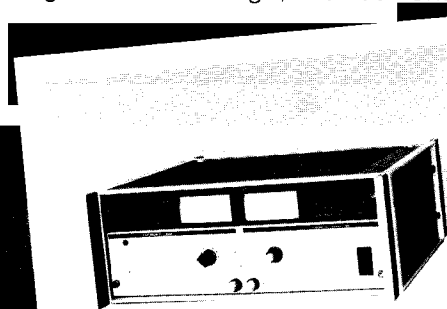
Depending on the model, PLZ series instruments have a maximum loading power of 150, 300 or 600 watts. All models are inherently protected against over-voltage, over-current,

over-power, reverse connection and over-temperature.

PLZ series devices can be operated in parallel to provide higher current or power. In this mode, all functions can be controlled from the front panel of the master unit.

The PLZ can be remotely controlled in the constant current mode. External input signals of 0-5.5 VDC control the current from 0 to full range output.

Although there are some variations by model, the front panel contains: Power on/off; pilot LED; ammeter and ammeter sensitivity selector; voltmeter and voltmeter sensitivity selector; function switch to control operation mode; load knob for setting input current, resistance value and constant voltage; DC switch and DC input terminals. The rear panel contains input terminals, remote control terminals, one-control panel operation terminals and a ground terminal.



Type	Rack Size	Approx. Weight	
		Lbs.	Kgs.
A	1/2	10	4.5
B	1/2	14	6.4

LINE REGULATION		LOAD REGULATION		Power	TYPE	MODEL	MAX. LOADING			OUTPUT			RIPPLE NOISE		Isolation from Ground		
Constant Voltage	Constant Voltage	Constant Voltage	Constant Voltage				WATTS	VOLTS	AMPS	Constant Voltage	Constant Current	Constant Resistance	Constant Voltage	Constant Current	VOLTS	VA	TYPE
0.005% + 1mV	0.005% + 1mV	0.005% + 1mV	0.005% + 1mV	590	A	PLZ 50-15	150	3-50	0-15	6.2-50	0-1.5/15	0.33/2	10	3	100	15	I1
						PLZ 50-15A	150	0-50	0-15		0-1.5/15	0.33/2/10		3	100	150	I2
3	5			135	B	PLZ 50-50	300	3-50	0-50		0-5/50	0.1/1/8		5	100	40	I2
						PLZ 50-50A	300	0-50	0-50		0-5/50	0.1/1/8		10	100	380	II
3	5			135	B	PLZ 50-100	600	3-50	0-100		0-10/100	0.03/1.5		0.2% +50	100	120	II
						PLZ 50-100A	600	0-50	0-100		0-10/100	0.03/1.5		0.2% +50	100	700	III