

PMR series

DUAL-TRACKING DC POWER SUPPLY (CV·CC)



PMR18-2.5DU

PMR35-1.2DU

PMR18-1.3TR

PMR25-1TR

PMR24-1QU

Possible to change positive and negative voltage at the same ratio
Various types are available for Dual, Triple, Quadruple output
Remote control function
Memory function

Outline

The PMR Series is a multi-output, constant voltage/constant current regulated DC power supply with a dual-tracking function. It uses a series regulator system to generate stable outputs with low noise. Moreover, it is compatible with various external controls. For GPIB control (in combination with an optionally available PIA4830), it is provided with the TP-BUS that allows a system to be built by simple connections. It can be widely used as a power supply for testing LCDs, PDPs, and other devices.

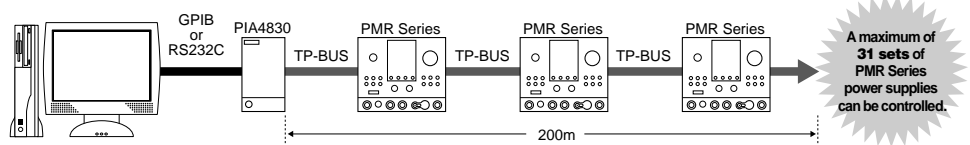
Computer Control

The PMR Series power supplies can be controlled using an optional PIA4800 Series power supply controller. Connecting a PIA4800 Series power supply controller via TP-BUS allows easy remote control at a maximum distance of 200 m. This allows you to control the following:

- Setting output voltage/current of each channel
- Reading back output voltage/current of each channel
- Turning outputs on/off

Features

- Dual-tracking function capable of varying positive and negative voltages simultaneously
- Uncluttered, easy-to-use operation panel
- Preset memory function (three memories) for ease of use and convenience, even in manual operation.
- High-resolution voltage/current display (4-digit display)
- TP-BUS (serial communications), maximum control distance: 200 m
- External analog remote control
- Five models with 2, 3, or 4 outputs



* About power supply controller PIA4800 series, please refer to page 5-2.

Model Line-up and Specifications

Specifications		Output		Ripple		Line Regulation		Load Regulation		Power Source	Power Consumption	Weight
		CV	CC	CV	CC	CV	CC	CV	CC	AC	Approx.	Approx.
Model		V	A	mVrms	mArms	mV	mA	mV	mA	V±10%	VA	kg
PMR18-2.5DU	OUTPUT CH1	0 to +18	0 to +2.5	0.5 or less	1.5 or less	Within ±1	Within ±2	Within ±2	Within ±5	90V-110V(1φ) 106V-125V(1φ) 180V-220V(1φ) 211V-250V(1φ) Selectable using the switch at the bottom 50/60Hz	280	6.5
	OUTPUT CH2	0 to -18	0 to -2.5	0.5 or less	1.5 or less	Within ±1	Within ±2	Within ±2	Within ±5			
PMR35-1.2DU	OUTPUT CH1	0 to +35	0 to +1.2	0.5 or less	1.5 or less	Within ±2	Within ±2	Within ±2	Within ±5			
	OUTPUT CH2	0 to -35	0 to -1.2	0.5 or less	1.5 or less	Within ±2	Within ±2	Within ±2	Within ±5			
PMR18-1.3TR	OUTPUT CH1	0 to +18	0 to +1.3	0.5 or less	1.5 or less	Within ±2	Within ±2	Within ±2	Within ±5			
	OUTPUT CH2	0 to -18	0 to -1.3	0.5 or less	1.5 or less	Within ±2	Within ±2	Within ±2	Within ±5			
	OUTPUT CH3	0 to +6	0 to +5	0.5 or less	4 or less	Within ±2	Within ±4	Within ±5	Within ±10			
PMR25-1TR	OUTPUT CH1	0 to +25	0 to +1	0.5 or less	1.5 or less	Within ±2	Within ±2	Within ±2	Within ±5			
	OUTPUT CH2	0 to -25	0 to -1	0.5 or less	1.5 or less	Within ±2	Within ±2	Within ±2	Within ±5			
	OUTPUT CH3	0 to +6	0 to +5	0.5 or less	4 or less	Within ±2	Within ±4	Within ±5	Within ±10			
PMR24-1QU	OUTPUT CH1	0 to +24	0 to +1	0.5 or less	1.5 or less	Within ±2	Within ±2	Within ±2	Within ±5			
	OUTPUT CH2	0 to -24	0 to -1	0.5 or less	1.5 or less	Within ±2	Within ±2	Within ±2	Within ±5			
	OUTPUT CH3	0 to +12	0 to +1.5	0.5 or less	1.5 or less	Within ±1	Within ±2	Within ±2	Within ±5			
	OUTPUT CH4	0 to -12	0 to -1.5	0.5 or less	1.5 or less	Within ±1	Within ±2	Within ±2	Within ±5			

Unless otherwise specified, the specifications are based on the following conditions: pure resistive load, measurement at the output terminals, COM grounding (output 3 of PMR-TR is negative grounded), and use of the unit after a 30-minute warm-up.