

**PS2510**  
**PS2510G**  
**PS2511**  
**PS2511G**

*Benchtop power supplies to meet your needs – available as both manual and programmable models.*

**PS2520**  
**PS2520G**  
**PS2521**  
**PS2521G**

**PS2510/ PS250G**

- Single Output
- 0 to 36 V, 0 to 3.5 A
- Digital LED Output Indicator
- SCPI Compatible (PS2510G)

**PS2511/ PS251G**

- Single Output
- 0 to 20 V, 0 to 7 A
- Digital LED Output Indicator
- SCPI Compatible (PS2511G)

**PS2520/ PS2520G**

- Triple Output
- One 0 to 6 V, 0 to 3 A
- Two 0 to 36 V, 0 to 1.5 A
- Digital LED Output Indicator
- SCPI Compatible (PS2520G)

**PS2521/ PS252G**

- Triple Output
- One 0 to 6 V, 0 to 5 A
- Two 0 to 20 V, 0 to 2.5 A
- Digital LED Output Indicator
- SCPI Compatible (PS2521G)

# Programmable Benchtop Power Supplies



**PS2510/PS2510G/  
PS2511/PS2511G**

The single output PS2510/PS2510G and PS2511/PS2511G Power Supplies are especially suited to low-cost computer controlled systems. The PS2510/PS2510G provide a maximum of 36 V and 3.5 A. The PS2511/PS2511G are rated up to 20V and 7.0 A. The PS2510G and PS2511G are GPIB programmable. The GPIB command sets are SCPI compatible.

Each power supply features 100 memories to store voltage and current limits for instant recall via the front panel or GPIB.

**PS2520/PS2520G/  
PS2521/PS2521G**

The triple output PS2520/PS2520G and PS2521/PS2521G Power Supplies are versatile supplies suitable for many applications. The PS2520/PS2520G has a single supply providing a maximum of 6 V and 3 A and two supplies providing a maximum of 36 V and 1.5 A. The PS2521/PS2521G has a single supply providing a maximum of 6 V and 5.0 A and two supplies providing a maximum of 20 V and 2.5 A.

The supplies can be operated in one of three modes: independent, series, or parallel. In the independent mode, the output voltage and current of each supply are controlled independently. In the two tracking modes, the variable outputs are connected either in series or in parallel; the controls of the master power supply adjust the voltage or current of both power supplies.

The PS2520G and PS2521G are GPIB programmable. The GPIB command sets are SCPI compatible.

Each power supply features 100 memories to store voltage and current limits for instant recall via the front panel or GPIB.

Product(s) available through an Authorized Tektronix Distributor. See pages 590-595.



Tektronix Measurement products are manufactured in ISO registered facilities.

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## APPLICATIONS

- Training
- Manufacturing Production Test
- Field Repair
- Bench Calibration and Repair
- Product Design

**USED4TEST**

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# Programmable Benchtop Power Supplies

**PS2510**  
**PS2510G**  
**PS2511**  
**PS2511G**

**PS2520**  
**PS2520G**  
**PS2521**  
**PS2521G**

## KEY SPECIFICATIONS

			<i>Available February 1995</i>	<i>Available February 1995</i>
	<b>PS2510/PS2510G</b>	<b>PS2511/PS2511G</b>	<b>PS2520/PS2520G</b>	<b>PS2521/PS2521G</b>
Number of Outputs	1	1	3	3
Output Voltage	0 to 36 V	0 to 20 V	0 to 6 V, 0 to 36 V (two)	0 to 6 V, 0 to 20 V (two)
Output Current	0 to 3.5 A	0 to 7 A	0 to 3 A (6 V), 0 to 1.5 A (36 V)	0 to 5 A (6 V) 0 to 2.5 A (20 V)
Voltage Accuracy	0.025% + 25 mV	0.025% + 25 mV	0.05% 5 mV + 25 mV	0.05% 5 mV + 25 mV
Current Accuracy	0.2% + 10 mA	0.2% + 10 mA	0.2% + 10 mA	0.2% + 10 mA
Programmable Voltage Resolution	10 mV	10 mV	10 mV	10 mV
Programmable Current Resolution	1 mA	1 mA (2 mA >3.5 A)	1 mA	1 mA
Display	Digital, LED	Digital, LED	Digital LED	Digital, LED
Auto-series/Parallel Operation	N/A	N/A	Yes	Yes
Auto-master/Slave Tracking	N/A	N/A	Yes	Yes
Internal Memory	Yes, 100	Yes, 100	Yes, 100	Yes, 100
GPIB (SCPI)	Yes, PS2510G	Yes, PS2511G	Yes, PS2520G	Yes, PS2521G
Constant Voltage Mode	Yes	Yes	Yes	Yes
Constant Current Mode	Yes	Yes	Yes	Yes
Variable Current Limit	Yes	Yes	Yes	Yes
Over-voltage Protection	Yes	Yes	Yes	Yes
Over-current Protection	Yes	Yes	Yes	Yes
Dual 4-Digit Panel Meter	Yes	Yes	Yes	Yes
Safety Certifications	ETL, CSA	ETL, CSA	ETL, CSA	ETL, CSA

PROGRAMMABLE BENCHTOP POWER SUPPLIES

## ORDERING INFORMATION

### PS2510

Single Output Programmable Power Supply

### PS2510G

Single Output Programmable Power Supply

### PS2511

Single Output Programmable Power Supply

### PS2511G

Single Output Programmable Power Supply

### PS2520

(Available 2/95) Triple Output Power Supply

### PS2520G

(Available 2/95) Triple Output Programmable Power Supply

### PS2521

(Available 2/95) Triple Output Programmable Power Supply

### PS2521G

(Available 2/95) Triple Output Programmable Power Supply

**All Include:** User Manual, US Power Cord,  
1 Pair Black/Red Test Leads.

### AVAILABLE ACCESSORIES

**Programmer's Manual** – Included with PS2510G,  
PS2511G, PS2520G, PS2521G. Order 070-8069-00

### SERVICE ASSURANCE OPTIONS

These products covered by the following service assurance options:

**REP4100** – Provides One Year of Post-Warranty Repair Protection

**CAL4100** – Provides One Year of Calibration Services

Product(s) available  
through an Authorized  
Tektronix Distributor.  
See pages 590-595.



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