

Programmable Switching DC Power Supplies

High power output at a low cost

These programmable switching DC power supplies feature new switching technologies to offer more power at a lower cost than traditional linear power supplies. Units are ideal for repetitive test routines in R&D, production, product evaluation applications and more. The built-in micro-controller unit along with the included software lets you perform recalibration without opening the case. Use the built-in RS-232 interface to remotely control the power supply or program a sequence of different voltages and current limits that can be used in an automated test application. Units feature data logging with color graphic display in adjusting voltage range, current, watts, and time periods, providing valuable data analysis tools.

- RS-232 interface for remote control capability; optional RS-485 adapter available
- Data logging capability
- Output disable functionality
- Overvoltage and overtemperature protection
- Constant voltage and current operation (current limiting)
- Large easy-to-read, 4-digit LCD



What's included: RS-232 cable and software.

Catalog No.	Model No.	Outputs	Output V/I	Ripple and noise	Power rating
TS-20055-96	1696	1	1 to 20 V, 0 to 10 A	25 mVpp, <10 mA _{rms}	200 W
TS-20055-97	1697	1	1 to 40 V, 0 to 5 A	25 mVpp, <10 mA _{rms}	200 W
TS-20055-98	1698	1	1 to 60 V, 0 to 3.3 A	25 mVpp, <10 mA _{rms}	198 W
Accessories					
TS-20055-99	ATR-2485	RS-232 to RS-485 adapter			
TS-17100-16	—	NIST-traceable calibration with data			

Programmable DC Power Supply

High resolution output with up to 200 test setup memories

This DC programmable DC power supply is an ideal voltage and current source for repetitive production tests, prototype board power up testing, and many other general high-power applications.

Unit includes programmable over voltage protection with a 0 to 60 second programmable overload delay timer for added flexibility. The intuitive interface makes set up, programming, and use simple.

- High resolution (1 mV and 1 mA) user programmable output and two fixed outputs of 5 V and 3.3 V
- Selectable constant voltage or current modes
- Auto output of up to 200 steps with programmable voltage, current, and time
- Storage/recall memory for 200 test setups
- High stability with low ripple and noise
- Forced-air cooling fan
- Bi-directional PC interface commands allow setup and read back using Windows® HyperTerminal or similar PC communications programs
- Dual output terminal for source and monitor connections
- Dual high-contrast LCD with backlighting



SPECIFICATIONS	
DC voltage output	Programmable: 0 to 40 VDC; Fixed: 5 VDC, 3.3 VDC
DC current output	Programmable: 0 to 40 VDC, 0 to 5 A; Fixed: 5 VDC / 2 A, 3.3 VDC / 3 A
Line regulation (C/V)	0.05% ±9 mV; 0.2% ±9 mA
Load regulation (C/V)	0.05% ±9 mV; 0.2% ±9 mA
Ripple and noise	3 mV _{rms} ; 3 mA _{rms}
Dimensions (W x H x D)	12¼" x 5½" x 10" (311 x 139 x 254 mm)
Power	110 to 220 VAC, 50/60 Hz (selectable)

Catalog No.	Model No.	Description
TS-26859-22	382280	Programmable DC power supply
Accessories		
TS-17100-16	—	NIST-traceable calibration with data