High Power Industrial Grade Linear Regulated Power Supply
With full Remote Programming & Remote Sensing.

PSM - 1550 (Linear mode)

Description

This series merge the low ripple, high precision output of industrial graded Linear Regulated Power Supplies with Full Remote Programming, Data Logging & Remote Sensing functionality.

The popular RS-232 and versatile RS-485 interface are built in with the unit for full remote programming and data logging with personal computer.

One PC can control and data log up to 31 power supplies of different models of this series via RS-232/RS-485 Adapter.

The power supply can operate up to 9 different sets of voltage and limit current; and 20 sequential timed-steps at the front panel.

With our software, 100 sequential timed-steps of different sets of voltage, current and running time, up to 999 repetitive cycles can be programmed using any computer.

All the collected data from each power supplies during operation can be stored in MS Excel™ (.xls) format.

Command Set and LabView® driver are given, so that users can integrate with their own software with the power supply for full remote programming.

In addition to the tracking OVP (Over Voltage Protection), there is an user preset upper output voltage limit, which prevents voltage adjustment above the preset limit.

This feature is vital in preventing damage to delicate, voltage sensitive test piece.

The REMOTE CONTROL feature allows for full control including output on/off of the power supply without computer in a stand alone situation.

Features

- Linear mode for high precision, low noise output,
- Excellent Load and Line regulation,
- Full remote programming and data logging,
- Built-in RS232/485 interface which can control up to 31 units,
- Supplied with software, command sets and LabView™ driver,
- Local or remote programmable cyclic run up to 20 sets of V, I , operational periods,
- 9 preset voltage and current at keypad and software,
- 20 sequential timed steps can be stored in power supply and computer,
- 100 sequential timed steps can be stored in computer.
- Remote Sensing and separate Remote Control terminals.
- CC & CV indicators with auto-cross over,
- 4 digits LED high resolution ammeter and voltmeter,
- Tracking OVP and user preset maximum output voltage.

Typical Applications

R&D works, Quality Control, Production especially in applications which require groups of different settings of output voltage, current limit levels for various cyclic operation period and records of output reading with dynamic loading during tests. It is ideals for applications with multiple power supplies at various locations with one centralized PC control.

Specifications

	PSM-1550
Output Voltage	0 - 15Vdc
Output Current	0 - 50A
Output Rated Power	750W
Ripple & Noise (r.m.s.)	4mV
Load Regulation (voltage)	0.02% +15mV
Line Regulation (voltage)	0.02% +5mV
Load Regulation (current)	0.15% +10mA
Line Regulation (current)	0.1% +10mA
Input Voltage	230Vac , 50Hz~ (or on request)
Display Meter	4 digits - Display LED Ammeter and Voltmeter
Voltmeter Accuracy	0.5% +2 counts
Ammeter Accuracy	0.5% +4 counts
Indicators	Constant Current and Constant Voltage LED Indicators
Cooling System	Fan Cooling
Operating Temperature	0 - 40°C
Protections	Tracking OVP (Over Voltage Protection), Current Limiting
Approvals	CE EMC : EN 55011 , LVD : EN 61010
Dimensions (WxHxD)	357 x 186 x 441mm / 14 x 7.3 x 17.4in.
Weight	Approx. 28kgs / 62lbs
Accessories	User Manual, Application Software for Windows®, Labview®
Driver,	Command Set, RS-232 Cable, RS-485 Connector and one 120ohm Resistor
Optional Accessory	RS-232 to RS-485 Adapter (ATR-2485)
Remark	Adjustable Upper Voltage Limit
Remote Programming Specifications	
Communication Interface	RS-232 and RS-485 (up to 31 Power Supplies)
Remote Programming Functionality	Full control of power supply functions and data read-back
Data logging	Yes, with supplied software
Baud Rate	9600bps