

NWS7150 Programmable DC Power Supply

Description

The NWS7150 precision programmable constant current power supply has a lot of great features. It's highly intelligent, very stable, super accurate, easy to use, and its output current can be adjusted continuously. It combines the functions of a source and a meter. It's especially suitable for situations where high-precision current is required and is an ideal power supply for standard light sources.



Application

- Laboratory-specific high-precision spectral analysis system
- Uniform brightness integrating sphere
- Photometric/colorimetric calibration system

Features

- RS232 communication function
- Good reliability
- High intelligence level
- High accuracy of output current

Technical Specifications

Electrical Parameters	
Output Voltage	0~25V
Output Current	0~2.5A

Current Stability	± 1mA
Ammeter Resolution	0.1mA
Current Drift	± 0.8% reading ± 2 digits / 3 minutes
Current Ripple during Stabilization	0.1mA
Current Accuracy	± 0.5% reading + 5 digits (1.000 ~ 2.500A) ± 1% reading + 8 digits (0.001 ~ 1.000A)
Maximum Output Capacity	75VA
RS232 Communication Baud Rate	9600b/s
Environmental Conditions	
Ambient Temperature	23°C ± 10°C
Relative Humidity	55% ± 20%
Power Supply Voltage	220V/50Hz