



- **Dual and triple output models with two 30V/1.5A (45W) channels and a 6V/5A**

The Models 2220, 2220G, 2230, and 2230G Multi-Channel Programmable DC Power Supplies combine two and three channels of output power to cost-effectively characterize and test a wide range of devices, circuit boards, modules, and products that require more than one power source. The Models 2220-30-1 and 2220G-30-1 supplies provide two channels, with each channel capable of outputting up to 30V and up to 1.5A. The Models 2230-30-1 and 2230G-30-1 include two 30V/1.5A channels and add a 6V channel with up to 5A output for powering digital circuits. These multi-channel power supplies offer an excellent combination of performance, versatility, and ease of use to maximize the information from characterization or test as quickly and as easily as possible. They perform as effectively in automated test systems as they do in manual instrument configurations. The USB interface is standard on all models; the “G” versions add a GPIB interface.

Independent and Isolated Outputs

Since each channel in these multi-channel power supplies is completely independent and isolated from each other, these power supplies can be used to provide power to two circuits that are optically isolated or transformer-isolated from each other and have different reference points. Their isolated channels eliminate the need for a second power supply to power one of the isolated circuits.

Additionally, each channel can be independently controlled, so channels can be individually turned on and turned off at any time. Thus, these power supplies can be used to power up a circuit with multiple voltage levels (such as a digital circuit) that must be turned on in a specified time sequence. Furthermore, the timer capability allows you to set up unattended tests that turn off the channels after a programmed time interval to protect a device-under-test (DUT) from potential damage due to the continuous application of power beyond a recommended time interval. Both isolated and independent channels provide excellent versatility and flexibility to address a wide range of test applications.

Accurate Power Delivery to the Load

With basic voltage setting accuracy and voltage readback accuracy of 0.03% for each channel, the exact voltage programmed for any channel is applied at the output terminals. Plus, the rear panel connections for each channel include remote sense terminals that compensate for voltage drops in the power supply leads. This helps to ensure that the correct voltage is delivered accurately to the load terminals of the DUT. Many other multi-channel power supplies do not provide remote sensing, which reduces overall system accuracy.

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DC POWER SUPPLIES

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**2220, 2220G,
2230, 2230G**



Specifications

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DC POWER SUPPLIES

2220, 2220G, 2230, 2230G

DC Power Supplies

ENVIRONMENTAL AND SAFETY

Temperature: **Operating:** 0° to +40°C.

Storage: -20° to +70°C.

Relative Humidity (non-condensing):

Operating: 5% to 95% relative humidity at up to +40°C.

Storage: 5% to 95% relative humidity at up to +40°C. 5% to 60% RH above +40°C up to +70°C, non condensing.

Altitude:

Operating: Up to 2000m.

Storage: Up to 4000m.

Safety:

European Union: Complies with European Union EMC Directive.

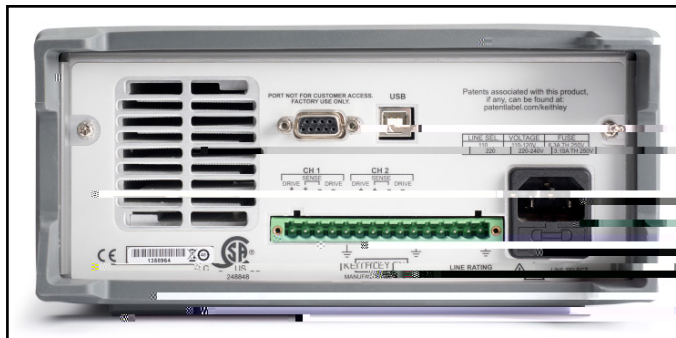
USA: Nationally recognized testing laboratory listing UL61010-1-2004.

Canada: CAN/CSA C22.2 No. 61010-1 2004.

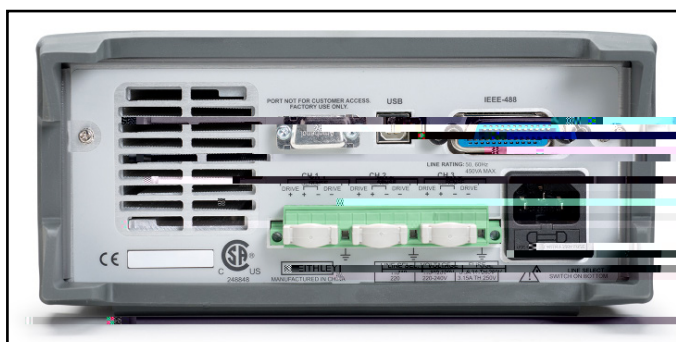
ELECTROMAGNETIC COMPATIBILITY

European Union: Complies with European Union Low Voltage Directive.

Australia: EMC Framework, demonstrated per Emission Standard AS/NZS 2064 (Industrial, Scientific, and Medical Equipment).



Model 2220-30-1 rear panel. The Model 2220G-30-1 adds a GPIB connector.



Model 2230G-30-1 rear panel. The Model 2230-30-1 does not have the GPIB connector.

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