



Multi-Axis Load Cell Technologies

JR3, Inc.
22 Harter Avenue
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DC Power Supply

Models 1420, 1421, 1422

Description:

JR3 produces three different versions of power supply, depending on the AC mains input voltage provided by the user. The fuses provided with the power supply will depend on the input voltage, as shown below:

P/N 1420	100 VAC input voltage	2 Ea 500 mA fuses
P/N 1421	120 VAC input voltage	2 Ea 500 mA fuses
P/N 1422	220 VAC input voltage	2 Ea 250 mA fuses

The power supply provides three DC output voltages: +7 VDC, -12 VDC and +12 VDC. These voltages are provided through a DE9S connector located on the end panel. Socket designations are engraved directly adjacent to the connector, and are reproduced below.

<u>Connector Layout</u>	Socket 1 +7V
5 - 4 - 3 - 2 - 1	Socket 2 GND
	Socket 7 +12V
9 - 8 - 7 - 6	Socket 8 -12V
	Socket 9 GND

Each power supply is shipped with a modular power cord that is configured for the user's mains input voltage (i.e. 100 VAC, 120 VAC, 220 VAC). The modular cord plugs into both the power supply and the user's mains power source. The power supply's on/off switch, fuse compartment and modular power cord receptacle are all integrated into a single power entry module located on the same end panel as the DE9S connector. An LED power-on indicator is located on the opposite end panel.

To operate the power supply:

1. Make sure the on/off switch is in the "off" position.
2. Plug the DE9P connector from the sensor cable into the DE9S connector on the power supply.
3. Plug the modular power cord into the power supply and an appropriate mains power source receptacle (i.e. 100 VAC, 120 VAC, 220 VAC).
4. Switch the on/off switch to the on position.
5. Check that the LED power-on indicator is lit.

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1420, 1421, 1422 power supply with power end panel shown

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1420, 1421, 1422 power supply with LED end panel shown