

FEATURES

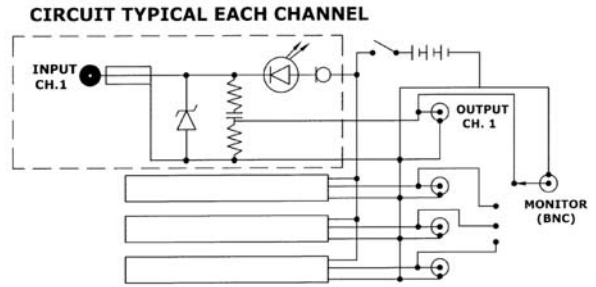
- **Compact 4-Channel Unit**
- **Battery Operated**
- **Convenient Front Panel Monitor Jack**
- **Individual Channel Power Indicators**



The Columbia Model 5425 is a four-channel, battery-operated constant current power supply specifically designed to be used with constant current mode accelerometers such as the Columbia 8000 Series.

The output current to the transducer is set to 3.0mADC nominal. Individual inputs and outputs are made through 10-32 and BNC connectors located on the rear panel.

The output is AC coupled so that the output is an AC signal with the bias voltage removed. In addition to individual channel outputs, a BNC monitor jack has been provided on the front panel. Providing a convenient and universally available interconnection system for displaying or recording the signals. Any channel's output can be monitored by the use of the rotary "channel select" switch. This allows the user a convenient means of monitoring any channel with a single instrument. For each channel, there is a LED that indicates when a transducer is connected. If for any reason the cable breaks, the indicator will turn off.



BASIC SCHEMATIC DIAGRAM

Specifications

No. of Channels	4
Power Input	(3) 9 Volt Alkaline Batteries; NEDA Type 1604A
Transducer Supply Current	3.0 ±0.3 mA
Output Offset Voltage	±10 mV DC Max.
Gain	0.0 dB (Unity Gain)
Output 5 Hz To 1.0KHz >1.0KHz To 20KHz	1 V/V ±5% 1 V/V ±1.0%
Maximum Output Voltage ¹	7.07 V RMS (±10 V Peak)
Residual Noise	100 µV RMS (1 Hz To 20KHz)

Temperature Range	0 To +60 Deg C
AC Incremental Output Impedance	250 Ohms
Transducer Input Connections	10-32 Standard Coaxial
Output Connectors	(1) BNC Coaxial Connector per Channel and (1) BNC Connector for Monitor Output
Size	6.06" x 2.50" x 6.25"
Weight	22 Oz.

¹ Actual output voltages are dependent on transducer used.