

CB-6733

Analog Output Interface

CB-6733

The CB-6733 is a rack mount terminal block that interfaces with nearly any National Instruments 6733 DAQ card on the PXI or PCI platform.

The CB-6733 allows easy configurable termination of analog output.



Features/Capabilities

- Simple connection between the CB-6733 and M-Series DAQ card using a 68-pin cable assembly- typically the SHC68-68-EPM.
- Works with NI-6733/6731 on the PCI or PXI platform.
- Rack-mount construction for use with 19" rack enclosures.
- A shielded, metal enclosure to minimize interference.
- Pluggable, screw type terminal blocks.
- Individually configurable analog inputs for either +/-10VDC or +/-20mA.
- Channel-to-channel isolated analog outputs, configurable for either +/-10VDC, or 4-20mA.
- Distributed excitation power for single point transducer termination.
- Readable, descriptive termination labels to minimize time referencing system prints and DAQ card manuals.



Specifications

This appendix lists the specifications for the CB-6733 connector module. Unless otherwise noted, all specifications are typical at 25° C.

Physical

Dimensions 19.0 in. by 1.7in. by 8.25 in.

Power Requirements

Rated Voltage.....24 VDC

Maximum Current Draw.....0.9A

External Excitation

Maximum external excitation 24 VDC

Maximum excitation current (all channels) 1 Amps

Analog Output Characteristics

Analog Output Range..... ± 10 V or ± 4 -20mA

Output Current Drive..... ± 15 mA

Capacitive Load Drive.....0.1 μ F

Small-Signal Bandwidth.....30 kHz

Slew Rate.....2 V/ μ S

Analog Output Isolation

Isolation Voltage Cont. Peak (DC) (V).....2121 V

Isolation Voltage Pulse/Test Peak (V).....2400 V

Isolation Mode Rejection (@60Hz).....120dB

Chassis Dimensions

