

V6000-V Vibration Signals Card

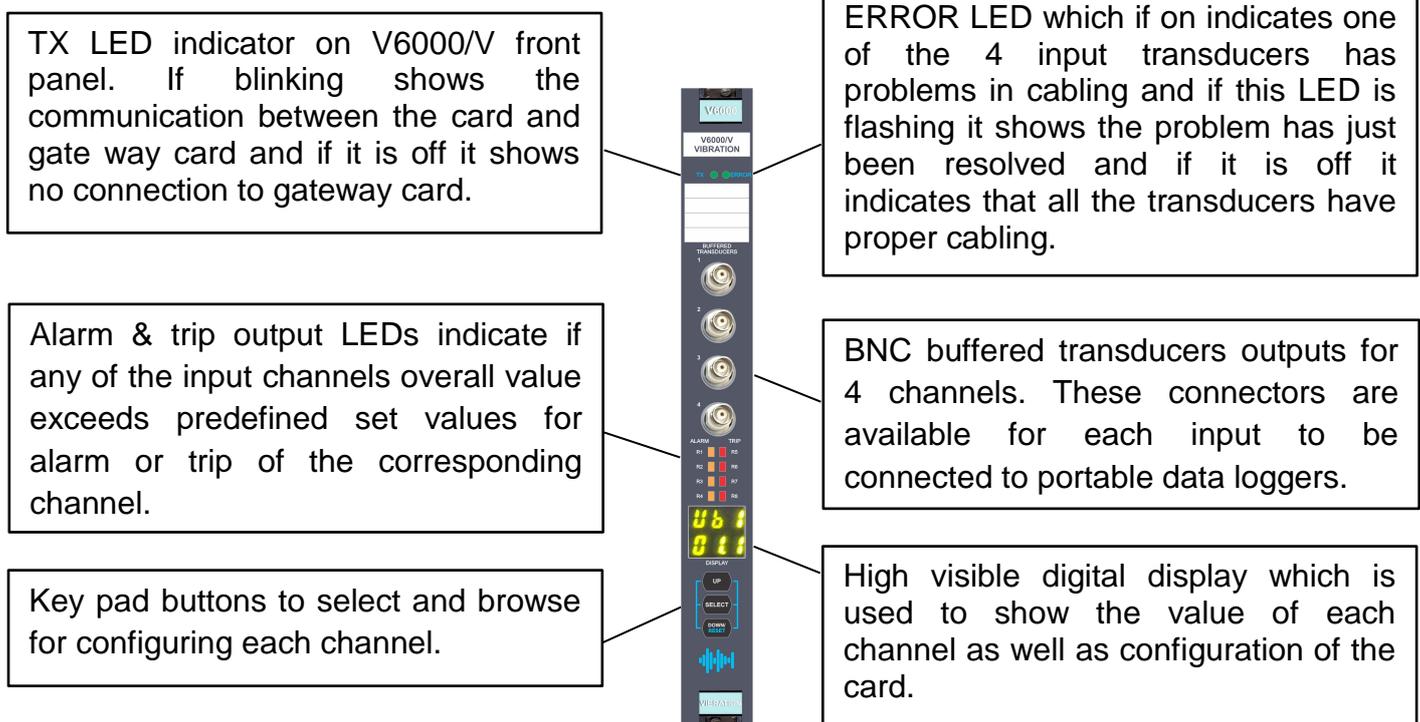
Datasheet

V6000-V Vibration Card

This card is a 4-channel dynamic input signal card which may be used for all types of signal measurements except temperature. Eight programmable SPDT relays and four programmable 4-20 mA analog outputs are provided on each V6000/V. This card accepts a large variety of proximity, velocity, acceleration position, and discrete input signals.

In each V6000 system, up to seven V6000/V cards may be installed into a single rack (slots 2-8). So each V6000 system can accept up to 28 analog inputs. Each input of V6000/V card has one 4-20 mA proportional outputs for measurement of RMS, True Peak & True Pk-Pk of each analog signal and log the value to recorders, process control systems or other instrumentation systems. Each card features a high visibility digital LED display.

The display shows current values, set points and alarm status etc. In addition, Operator uses this monitor to configure all the settings of each input. Buffered output for each input is located on the front panel BNC connectors. User can easily connect a portable data logger or other test instrument to the system by front BNCs. Each of the dynamic input signals connected to rack panel is available on the front panel via BNC connectors for easy connection to portable and test instrumentation. This card includes relay bypass and trip multiply configuration. Trip multiply is set for total system while relay by pass can be activated for each channel separately.



V6000/V Front Panel Elements

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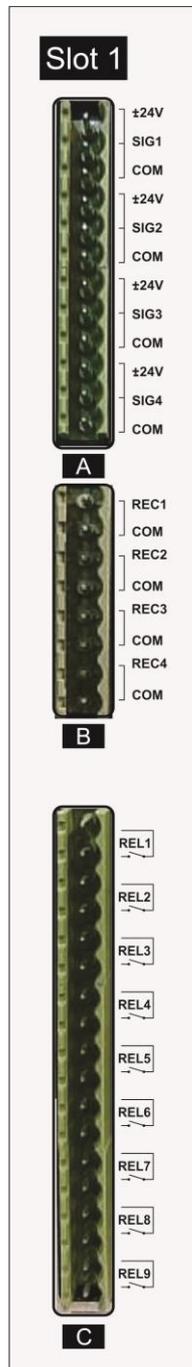
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INPUT TRASDUCCERS

OUTPUT CURRENT

OUTPUT RELAY

(4-20 mA)



V6000/V rear panel has 12 terminals for connecting up to 4 transducer outputs to it. There are three terminals per channel. First one ± 24 is the power supply terminal for transducer it can be either +24 or -24 V DC based on the jumper selected.

There are four 4-20 mA outputs to be connected to external recorders or PLC/DCS system. These four outputs are called REC1 to REC4 located on V6000/V rear panel. User can select for the 4-20 mA output to be proportional to rms, peak or Pk-Pk. Output scaling is done by front panel keypad buttons.

There are 9 relays on the rear panel of each V6000/V card. Relays 1 to 8 are by default assigned to Alarm / Trip from channels 1 to 4. In the following table the default activation of relays is described. User can change the control command for activation of the relays by software. There are jumpers to switch from normally closed to normally open condition for each relay. Moreover, energized or de-energized status of each relay can be switched by the keypad buttons from V6000/V front panel.

V6000/V Back Panel Elements