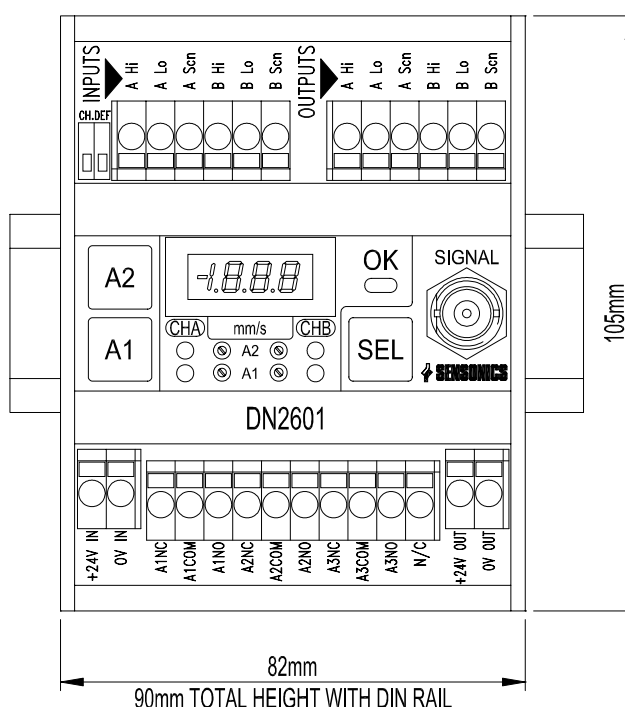


DN2601 Dual Channel Vibration Monitor



This low cost high performance signal conditioning unit is ideally suited to providing protection of many types of rotating machinery from breakdown, including turbines, motors, pumps, fans, etc. Its small size and din rail mounting format allow it to be mounted in equipment panels with other equipment or locally to the monitored machine in a junction box. Unit will fit both 35mm and G type DIN rails. The DN2601's alarms can be used to automatically trip plant and it's analogue outputs are suitable to input to DCS or other control/monitoring systems



- Input:** 2 x 2 wire accelerometers, 100mV/g sensitivity as standard. (Option for velocity transducer input available).
- Power:** 24V dc (22 – 28V dc).
- Mode:** Monitoring can be switched between acceleration or velocity.
- Display:** 3 digit LCD display switchable between channels and alarm setpoints. Display is in engineering units. (mm/s or Inch/s)
- Outputs:** 2 x 4-20 mA outputs proportional to vibration level,(1 per channel).
- Signal:** Buffered raw transducer signal available on BNC connector for analysis purposes.
- Alarms:** 2 x individually adjustable level alarms, (2 per channel).
1 x common system integrity alarm.
- Scaling:** Vibration levels are selectable on site, from a standard list, by the positioning of onboard switches.
- Filters:** High and low pass filters are selectable on site, from a standard list, by the positioning of onboard switches.

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DN2601 Dual Channel Vibration Monitor Module Ordering Information

In order to enable us to build the monitor modules on your purchase order ref:....., we need to know the following information. Failure to provide this information means that we cannot start to manufacture these items and will result in delays to delivery.

ORDERING INFORMATION

DN2601 - ^{**A**} - ^{**B**} - ^{**C**} - ^{**D**} - ^{**E**} - ^{**F**}

A) Input

A

- | | | |
|----------------------|---|--|
| <input type="text"/> | 1 | Accelerometer, 2 wire, 100mV/g. |
| <input type="text"/> | 2 | Velocity transducer, 2 wire – (please provide details). |
| <input type="text"/> | 3 | Velocity transducer, 3 or 4 wire – (please provide details). |

B) Output Signal.

B

- | | | |
|----------------------|---|------------------------------------|
| <input type="text"/> | 0 | None |
| <input type="text"/> | 1 | 1x 4-20mA, Current O/P per channel |
| <input type="text"/> | 2 | 1x 0-1V Voltage O/P per channel |
| <input type="text"/> | 3 | 1x 0-5V Voltage O/P per channel |
| <input type="text"/> | 4 | 1x 0-10V Voltage O/P per channel |

C) Metric or Imperial units displayed

C

- | | | |
|----------------------|---|----------|
| <input type="text"/> | 1 | Metric |
| <input type="text"/> | 2 | Imperial |

Note: Code items D, E & F can be set on site by selecting internal DIL switches

D) Measurement range for output

D

- | | | |
|----------------------|---|---|
| <input type="text"/> | A | 0-10g acceleration |
| <input type="text"/> | B | 0-25g acceleration |
| <input type="text"/> | C | 0-10 mm/s velocity |
| <input type="text"/> | D | 0-12.5 mm/s velocity, (0-0.5 inch/s) |
| <input type="text"/> | E | 0-15 mm/s velocity |
| <input type="text"/> | F | 0-20 mm/s velocity |
| <input type="text"/> | G | 0-25 mm/s velocity, (0-1 inch/s) (Standard) |
| <input type="text"/> | H | 0-50 mm/s velocity, (0-2 inch/s) |

E) Lo pass filter, high end cut off

E

- | | | |
|----------------------|---|------------------|
| <input type="text"/> | 1 | 1 kHz (Standard) |
| <input type="text"/> | 2 | 2 kHz |
| <input type="text"/> | 3 | 10 kHz |

F) Hi pass filter, low end cut off

F

- | | | |
|----------------------|---|-------------------|
| <input type="text"/> | 1 | 2.5 Hz (Standard) |
| <input type="text"/> | 2 | 5 Hz |
| <input type="text"/> | 3 | 10 HZ |

If you require assistance with any questions please contact your local Sonsonics representative.

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