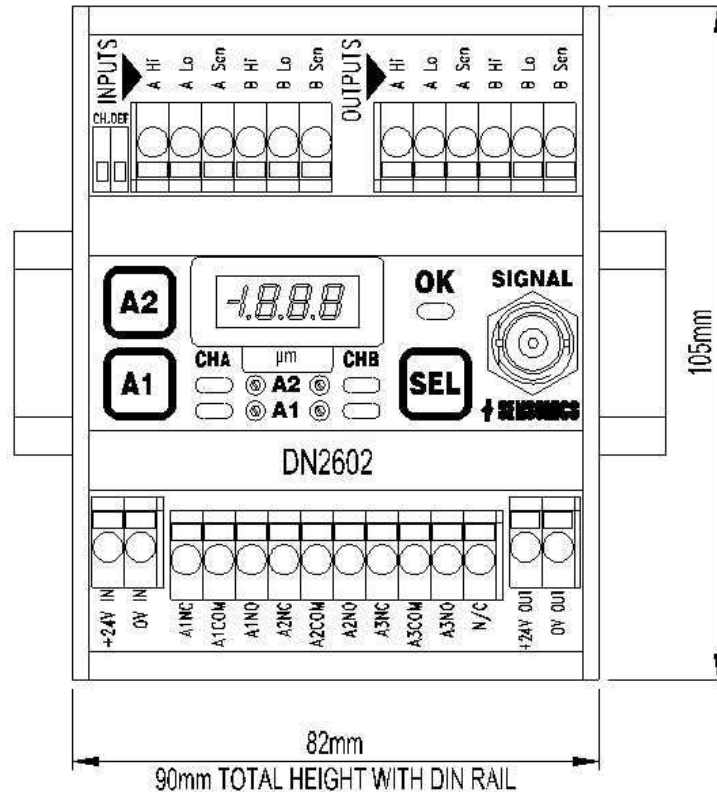


DN2602 Dual Channel Vibration Monitor



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 DN2602's alarms can be used to automatically trip plant and its analogue outputs are suitable to input to DCS or other control/monitoring



- Input:** 2 x Eddy Current Probes & Drivers 200mV/mils (8mV/um) as standard. Option for 100mV/mils (4mV/um).
- Power:** 24V dc (22 – 28V dc).
- Display:** 3 digit LCD display switchable between channels and alarm setpoints. Display is in engineering units. (µm or mils)
- 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).
Alarm time delay option.
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.

DN2602 Dual Channel Vibration Monitor Module Ordering Information

Eddy Current Probe Input

ORDERING CODE INFORMATION

DN2602 - **A** - **B** - **C** - **D** - **E** - **F**

A) Input

A	
1	Eddy current Probe, 8mV/μm (200mV/thou)
2	Eddy current Probe, 4mV/μm (100mV/thou)
3	Eddy current Probe, Any Other Sensitivity, please provide details.

B) Output Signal

B	
0	None
1	1x 4-20mA Current output per channel
2	1x 0-1V Voltage output per channel
3	1x 0-5V Voltage output per channel

C) Metric or Imperial units displayed (Pk-Pk)

C	
1	Metric
2	Imperial

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

	D	<i>Metric</i>	<i>Imperial</i>	Note
D) Measurement range for output (Pk-Pk)	A	0-125μm	0-5mils	8mV/μm & 4mV/μm probes
	B	0-200μm	No	8mV/μm & 4mV/μm probes
	C	0-250μm	0-10mils	8mV/μm & 4mV/μm probes
	D	0-500μm	0-20mils	8mV/μm & 4mV/μm probes
	E	Other, Please state range and probe sensitivity		

<p>E) Lo pass filter, high end cut off</p> <table style="border: none;"> <tr> <td style="border: 1px solid black; width: 30px; text-align: center;">E</td> <td></td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">1</td> <td>1 kHz (Standard)</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">2</td> <td>2 kHz</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">3</td> <td>10 kHz</td> </tr> </table>	E		1	1 kHz (Standard)	2	2 kHz	3	10 kHz	<p>F) alarm delay</p> <table style="border: none;"> <tr> <td style="border: 1px solid black; width: 30px; text-align: center;">F</td> <td></td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">1</td> <td>1s (Standard)</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;"> </td> <td>3, 5 or 10 seconds</td> </tr> </table>	F		1	1s (Standard)		3, 5 or 10 seconds
E															
1	1 kHz (Standard)														
2	2 kHz														
3	10 kHz														
F															
1	1s (Standard)														
	3, 5 or 10 seconds														

Note: The Hi Pass Filter is fixed at 2Hz.

Example of Order Code

DN2602-1-1-1-C-1-1 is CHA & CHB Eddy current probe input 8mV/μm sensitivity, 4-20mA output, Metric display units of measurement, 0-250μm pk-pk range, 1kHz LPF, 1 second delay.

DS 1157



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