TECHNICAL INFORMATION

PREDICTIVE MAINTENANCE SYSTEMS

SENSONICS LTD

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). 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.

DN2601 Dual Channel Vibration Monitor Module Ordering Information

ORDERING INFORMATION

	A	B	C	D	E	F	G	H
DN2601	- [ ]	- [ ]	- [ ]	- [ ]	- [ ]	- [ ]	- [ ]	- [ ]

A) Input

A	
1	Accelerometer, 2 wire, 100mV/g.
2	Velocity transducer, 2 wire – (please provide details).
3	Velocity transducer, 3 or 4 wire – (please provide details).

B) Output Signal.

B	
0	None
1	1x 4-20mA, Current O/P per channel
2	1x 0-1V Voltage O/P per channel
3	1x 0-5V Voltage O/P per channel

C) Metric or Imperial units displayed

C	
1	Metric
2	Imperial

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

D) Measurement range for output

D	
A	0-10g acceleration
B	0-25g acceleration
C	0-10 mm/s velocity
D	0-12.5 mm/s velocity, (0-0.5 inch/s)
E	0-15 mm/s velocity
F	0-20 mm/s velocity
G	0-25 mm/s velocity, (0-1 inch/s) (Standard)
H	0-50 mm/s velocity, (0-2 inch/s)
I	0-100 mm/s velocity, (0-4 inch/s)

E) Lo pass filter, high end cut off

E	
1	1 kHz (Standard)
2	2 kHz
3	10 kHz

F) Hi pass filter, low end cut off

F	
1	2.5 Hz (Standard)
2	5 Hz
3	10 HZ

G) alarm delay

G	
1	1s (Standard)
	3, 5 or 10 seconds

H) FUW galvanic isolator

H	
1	NO (Standard)
2	YES (no current diode)

---

eg DN2601-21-32-1-EA-21-32-33-11 **is CHA - 2 wire velocity transducer, 1-5V OP, 0-15mm/s, 2kHz LPF, 10Hz HPF; CHB - 2 wire accelerometer, 0-1V OP, 0-10g, 1kHz LPF, 5Hz HPF, metric display. Both channels configured for a 3 second delay and no galvanic isolator. For duplicate channels utilise a single digit/character per parameter.**

DS 1148

SENSONICS

Sensonics Ltd
Northbridge Road
Berkhamsted
Herts, HP4 1EF
United Kingdom
Tel: +44 (0)1442 876833
Fax: +44 (0)1442 876477
www.sensonics.co.uk