

SENOFEE

ITEM NO : YDL-series



Vibration/acceleration sensor

Email: info@senofee.com / <http://www.senofee.com>

General Description

YDL-series have the extra character of built-in precise circuit of integration and velocity output. Wider frequency response range, mechanical moving parts not easily damaged, light weight and good dynamic response than magnetolectric velocity transducers. this series of sensors are compatible with constant current adapters. Can be widely used in industrial applications.

Applications



- ★Motor
- ★Water pump
- ★Steam turbine

- ★Enerator
- ★Compressor



- ★Fan
- ★Centrifuge

- ★Oxygen machine
- ★Coal mill



Features

- .Built-in IEPE circuit
- .strong anti-jamming ability
- .wide frequency response
- .great dynamic characteristics
- .Stainless steel shell
- .Laser welding for sealing
- .Double-layer shielding(isolation)
- .Water-proof, dust-proof, oil resistance
- .Customized pressure range

Performance

Static characteristics		
	Side output	Above output
Measuring range	±2.5g ; ±10g ; ±50g	±10g ; ±25g ; ±50g
Frequency response	10 ~ 1000Hz	
Maximum lateral sensitivity	<5%	
Amplitude non-linearity	1%FSO	
Output current	4 - 20mA (two wire)	
Output type	Effective value	
Electrical characteristics		
Operating Voltage	18~30V	
Constant current	2~10mA	
Output bias voltage	8~12V	
Grounded	Signal ground is connected to the shell	
Output Impedance	≤100Ω	
Environmental characteristics		
Operating temperature	-40~85°C	
Impact limit	±5000g	
Physical characteristics		
Sensitive components	Piezoelectric Ceramics	
Operating mode	Center compression	
Shell material	Stainless steel	
Installation method	M5 screw or magnetic base	
Connector	M5 coaxial connector	
Weight	15g	

Measuring direction

	Measuring range	Cable specifications	D lead length	Installation thread	Explosion-proof requirements
A1:Side output	B1:±2.5g B2:±10g B3:±50g	C1. Direct lead C2. Direct lead (With armor) C3. Aviation plug	D1.1 meters D2.2 meters D3.3 meters	E1.M10*1.5 E2.M8*1.25 E3.M5*0.8 E4. Magnetic base E5. Special customization	F1. Explosion-proof F2. Non-explosion proof
A2:Above output	B4:±10g B5: ±25g B6:±50g	C4. Aviation plug(With armor)			

Production installation notes:

- (1) Installation: Use the bottom screw M5 install it at the measured point, if the machine is not convenient to open a 4-hole, you can choose Magnetic base installation. Can completely replace and compatible with imported PCB/IMI and other brand products
- (2) Wiring: This product adopts loop power supply and two-wire output (two wires are both power and signal wires).It needs to be connected to the PLC or DCS signal input port.

SENOFEE

ITEM NO : YDL-series

Vibration/acceleration sensor

Email:info@senofee.com / <http://www.senofee.com>