



For assistance in selecting a vibration sensor, specific application and measurement requirements should be provided to the application engineer. Completing the checklist below will help ensure that the proper sensor is chosen.

i) Describe	the vibration measure	тепі аррі					
	Pulp and paper		Automotive				
	Petrochemical		Laboratory research				
	Power plant		Microelectro	onics			
	Oil exploration		Civil engine	ering			
	Mining		Military				
	Other			<del></del>			
II) Dynamic	measurement requirer	ments of th	ne applicatio	n			
	oproximate vibration amplit g peak,in/se			?			
What is the m	aximum vibration amplitud	le level expe	ected to be pres	sent?			
	g peak,in/se	c peak,	mil peak				
What is the m	inimum vibration amplitude	e level of into	erest?				
	g peak,in/se	c peak,	mil peak				
What is the m	inimum frequency of intere	est?	What is th	he maximum frequency of interest?			
	Hz,R			Hz,RPM			
What is the in  What is the ex	to °C, termittent temperature range to °C, termittent temperature range compared to °C, expected humidity level?	ge? (min. to to % re	o °l max.) o °l elative	F			
	ontact the accelerometer?			<del></del>			
	what fluid pressure will be	. –	•				
_			1				
What is the hi	ghest shock level expected	d to be prese	ent?	g peak			
What chemica	als or gases contact the ac	celerometer	or cable? (Che	eck all that apply.)			
	Water (e.g. salt water, h	eavy water,	steam) Descr	ribe:			
	Halogens (e.g. chlorine, fluorine, halogenated compounds) Describe:						
	Gases (e.g. ozone, chemical fumes) Describe:						
	Acids (e.g. hydrochloric, sulfuric, nitric) Describe:						
	Bases (e.g. ammonia, caustic soda) Describe:						
	,						
	Solvents (e.g. MEK, free	on, alcohol)	Describe:				
	Solvents (e.g. MEK, free Fuels (e.g. gasoline, ke	on, alcohol) rosene) De	Describe:				
	Solvents (e.g. MEK, free Fuels (e.g. gasoline, ke Oil (e.g. lubricating, crud	on, alcohol) rosene) De de) Describ	Describe: escribe: be:				



## IV) Electrical requirements and electrical environment of the sensor

Is Intrinsically Safe operat	tion required? (i.e.	explosive environm	ients) No	Yes	
What power supply will be Manufacturer Model # Voltage source				d):	
			mA		
Is the machine grounded?					
Is the sensor located near	r areas with electro	ostatic discharges?	No Ye	es	
V) Physical parameter	s and features	of the sensor			
Sensor output: _	_ Acceleration	Velocity	Displacemer	nt	
Physical design: _	_ Single axis	Triaxial	Ring shear r	node Handprobe	
Special features: _	_ Temperature out	put Calibration	circuit Othe	er:	
Housing material: _	_ 316 stainless ste	eel Titanium	Other		
Frequency range: Resonance frequency: Internal filtering requirement	ents:	Hz			
VI) Cabling requireme	nts				
What cable lengths will be	e driven?	ft			
Cable capacitance:		pF/ft			
Will the cable be near election No Yes, describ	ctromagnetic interl		.g. AC power line	s, radio equipment, mot	ors, generators)
Electrical connection:	Connec	tor Spl	ash-proof	Integral cable	
Electrical connection local	tion: Axial/top	exit Rad	dial/side exit		
Cable type: Coaxia Other:	al		Dual shielde	d	
Reinforced cable: Cable pull strength % Cable shielding % Other:					
Other cable requirements	·				



VII) Mountin	g requirements								
Mounting type:	Detachable stud Adhesive	Integral stud Magnetic base	Captive bolt						
Thread size:	10-32 UNF Other:	1/4-28 UNF							
VIII) Other specific requests or requirements									

For technical support or more information, please contact us.



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