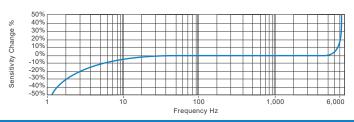
HS-423I Intrinsically Safe Accelerometer 4-20mA acceleration and AC acceleration output via PUR Cable



Technical Performance		Mechanical	
Mounted Base Resonance	10kHz min	Case Material	Stainless Steel
Acceleration Ranges	see: 'How To Order' table ±10%	Sensing Element/Construction	PZT/Compression
	Nominal 80Hz at 22°C	Mounting Torque	8Nm
Frequency Response: 4-20mA	10Hz (600cpm) to 5kHz (300kcpm) ± 5%	Weight	135gms (nominal) body only
	- ISO10816	Maximum Cable Length	1000 metres
Frequency Response: AC	2Hz (120cpm) to 10kHz (600kcpm) ± 5%	Standard Cable Length	5 metres
	- ISO10816	Screened Cable	PUR - length to be specified with order
Isolation	Base isolated	Mounting Threads	see: 'How To Order' table
Range	see: 'How To Order' table	Submersible Depth	100 metres max. (10 bar)
Transverse Sensitivity	Less than 5%		

Ele	ectrical	
Cui	rrent Output	4-20mA DC current proportional to
		acceleration and AC acceleration
Bia	s Voltage	3 Volts DC (nominal)
Sup	oply Voltage	15-30 Volts DC (for 4-20mA)
Set	ttling Time	2 seconds
Out	tput Impedance	Loop Resistance 600 Ohms max. at 24 Volts
Cas	se Isolation	>10 ⁸ Ohms at 500 Volts

Typical Frequency Response (4-20mA signal)



Operating Temperature Range Sealing

Environmental

Maximum Shock EMC

see: attached certification details IP68 5000g EN61326-1:2013

Applications

Fans, Motors, Pumps, Compressors, Centrifuges, Conveyors, Air Handlers, Gearboxes, Rolls, Dryers, Presses, Cooling, VAC, Spindles, Machine Tooling, Process Equipment

Vibration sensor should be firmly fixed to a flat surface (spot face surface may be needed to be produced and cable anchored to sensor body.)



Certifications







T: 150 210 98804 www.hansfordsensors.com.cn 汉施弗德传感器(上海)有限公司

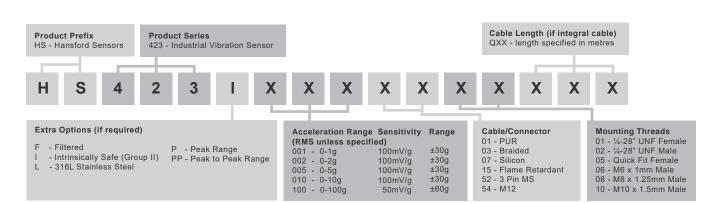


HS-4231 Intrinsically Safe Accelerometer 4-20mA acceleration and AC acceleration output via PUR Cable

Maximum Cable Length	See website: www.hansfordsensors.com.cn	Barrier: 4-20mA loop	1x Pepperl + Fuchs Galvanic Isolator		
			KFD2-STC5-Ex1 (HS-AA154)		
Certificate details: Group II	IECEx BAS08.0034X		1 x MTL Zener Barrier MTL7787+ (HS-AA022)		
	Baseefa08ATEX0086X				
	ll 1GD	Barrier: AC output	1x Pepperl + Fuchs Galvanic Isolator		
	Ex ia IIC T6 Ga		KFD2-VR-Ex1.19 (HS-AA155)		
	Ex ia IIIC T80°C IP65 Da		1 x MTL Zener Barrier MTL7764+ (HS-AA023)		
	(-40°C ≤ Ta ≤ +55°C)				
Certificate details: Group II	الا القال @II 1GD	Terminal Parameters	Ui = Vmax = 28V		
	Ex ia IIC T4 Ga		li = Imax = 115mA		
	Ex ia IIIC T130°C IP65 Da		Pi = 0.856W		
	(-40°C ≤ Ta ≤ +105°C)				
		Notes:	Special conditions of safe use for Group II dust.		
Terminal Parameters	Ui = 28V, li = 115mA, Pi = 0.856W Group II		The free end of the cable on the integral cable		
			version of the apparatus must be terminated in		
500V Isolation	Units Will Pass A 500V Isolation Test		an appropriately certified dust-proof enclosure.		
			The unit has no serviceable parts.		
Certified Temperature Range	Ex ia IIC T6 Ga (-40°C ≤ Ta ≤ +55°C) (Gas)				
	Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +105°C) (Gas)				
Ex ia III0	C T80°C IP65 Da (-40°C ≤ Ta ≤ +55°C) (Dust)				
Ex ia IIIC T	[130°C IP65 Da (-40°C ≤ Ta ≤ +105°C) (Dust)				

How To Order

Intrinsically Safe Requirement





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