

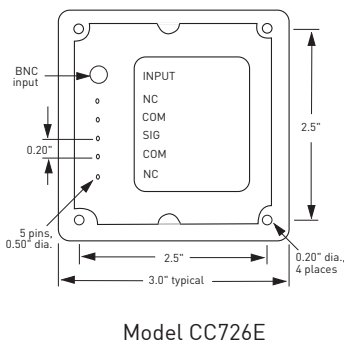
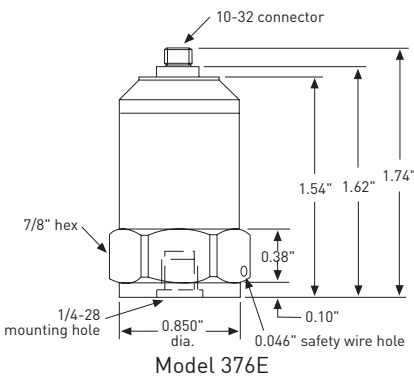


Wilcoxon Research model 376E/CC726E system Intrinsically safe accelerometer/ charge amplifier system



Features

- Industrial ruggedness
- High temperature, charge output sensor
- Ground isolated
- 260° C operation



Dynamic

Sensitivity, ± 10%, 25° C	100 mV/g
Acceleration range	50 g peak
Amplitude linearity, 50 g	1%
Frequency response:	
± 10%	2 - 10,000 Hz
± 3 dB	1 - 15,000 Hz
Resonance frequency	30 kHz
Transverse sensitivity	7% of axial
Temperature response:	
-50° C	-10%
+ 260° C	+ 20%

Electrical

Power requirement:	
Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g:	
Broadband	0.001 g peak
Output impedance	<100 Ω
Bias output voltage	12 VDC
Grounding	case isolated

Environmental

Temperature range:	
376	-50 to 260° C
CC726E	+0 to 70° C
Vibration limit	500 g peak
Shock limit	5000 g peak
Base strain	0.002 g/μstrain

Physical

Sensing element design	PZT / compression
Weight:	
376	75 g
CC726E	40 g
Case material:	
376	316L stainless steel
CC726E	glass reinforced plastic
Mounting	1/4-28 tapped hole
Output connector	5-position terminal strip
Recommended cabling	J3

Connections

Function	Connector pin
common	shell
acceleration input	input
no connection	N/C
common, CC726E	COM
power / signal, CC726E	SIG
common, CC726E	COM
no connection	N/C

Accessories supplied: R1-2-J3-12 cable; SF6 mounting stud
(international customers specify mounting requirements); calibration data (level 3).

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CL I II III T4
DIV 1 GP ABCDEFG
DIV 2 GP ABCDFG