

Intrinsically safe accelerometer/ charge amplifier system

376E/CC726E



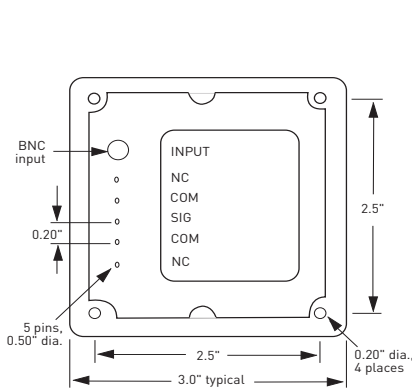
Key features

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

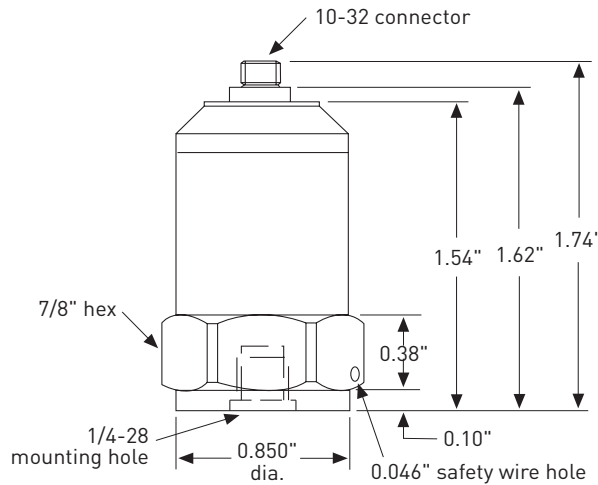
Certifications



Class I, II, III T4
Div 1, Groups A, B, C, D, E, F, G
Div 2, Groups A, B, C, D, F, G



Model CC726E



Model 376E

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

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

Wilcoxon Sensing Technologies
20511 Seneca Meadows Parkway
Germantown, MD 20876
info@wilcoxon.com

Tel: (301) 330 8811
Fax: (301) 330 8873
www.wilcoxon.com

Wilcoxon Sensing Technologies
An Amphenol Company

Intrinsically safe accelerometer/ charge amplifier system

376E/CC726E

SPECIFICATIONS

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%
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
Temperature range:	
376E	-50 to +260° C
CC726E	0 to 70° C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Base strain	0.002 g/μstrain
Sensing element design	PZT / compression
Weight:	
376	75 grams
CC701HT	40 grams
Case material:	
376E	316L stainless steel
CC726E	glass reinforced plastic
Mounting	1/4-28 tapped hole
Output connector	5-position terminal strip
Recommended cabling	J3

Contact

Wilcoxon Sensing
Technologies

20511 Seneca Meadows Parkway
Germantown MD 20876, USA

Tel: +1 301 330 8811
Fax: +1 301 330 8873

info@wilcoxon.com

www.wilcoxon.com

Accessories supplied:

- Calibration data (level 3)
- SF6 mounting stud (international customers specify mounting requirements)
- R1-2-J3-12 cable

Note: Due to continuous process improvement, specifications are subject to change without notice.
This document is cleared for public release.

Wilcoxon Sensing Technologies
20511 Seneca Meadows Parkway
Germantown, MD 20876
info@wilcoxon.com

Tel: (301) 330 8811
Fax: (301) 330 8873
www.wilcoxon.com

Wilcoxon Sensing Technologies
An Amphenol Company