

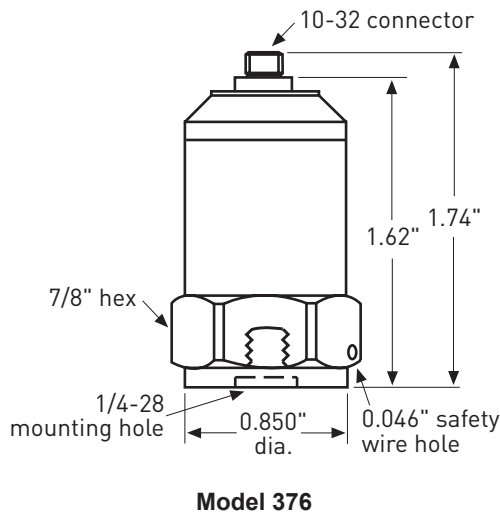
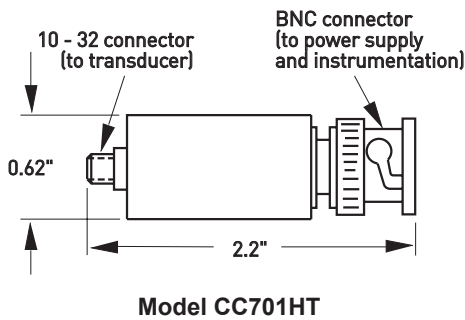
Accelerometer/charge amplifier system

376/CC701HT



Key features

- Industrial ruggedness
- Charge output
- Ground isolated
- 260°C operation



Connections	
Function	Connector pin
power/signal	pin
common	shell

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

Accelerometer/charge amplifier system

376/CC701HT

SPECIFICATIONS

Sensitivity, ±10%, 25° C	100 mV/g
Acceleration range	50 g peak
Amplitude nonlinearity, to 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:	
376	-50 to +260° C
CC701HT	-40 to 100° 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	316L stainless steel
Mounting	1/4-28 tapped hole
Mating connector	BNC jack
Standard cabling¹	R1-1-J3-12

Notes: ¹ Other cable lengths available.

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Contact

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Technologies

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Germantown MD 20876, USA

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Fax: +1 301 330 8873

info@wilcoxon.com

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Accessories supplied:

- Calibration data (level 3)
- SF6 mounting stud