ALTHEN
SENSORS & CONTROLS

376/CC701HT
Accelerometer/charge amplifier system
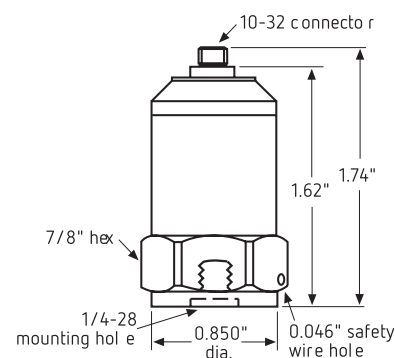
■ SPECIFICATIONS

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		5% 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		ground 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 sensitivity		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 cabling		R1-1-J3

Accessories supplied: SF6 mounting stud; calibration data (level 3)

Key features

• Industrial ruggedness
• Charge output
• 260°C operation
• Manufactured in ISO 9001 facility

10-32 connector
1.74"
1.62"
7/8" hex
1/4-28 mounting hole
0.850" dia.
0.046" safety wire hole

Model 376

10 - 32 connector (to transducer)
BNC connector (to power supply and instrumentation)
0.62"
2.2"
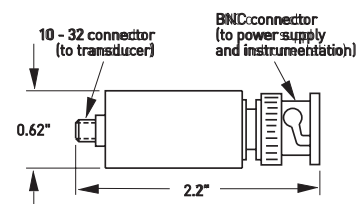
Model CC701HT

Connections	
Function	Connector pin
power/signal	pin
common	shell

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

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