

Accelerometer/charge amplifier system

376/CC701HT

SPECIFICATIONS

Sensitivity, $\pm 10\%$, 25°C		100 mV/g
Acceleration range		50 g peak
Amplitude nonlinearity, to 50 g		1%
Frequency response¹:	$\pm 10\%$	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/ μ strain
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

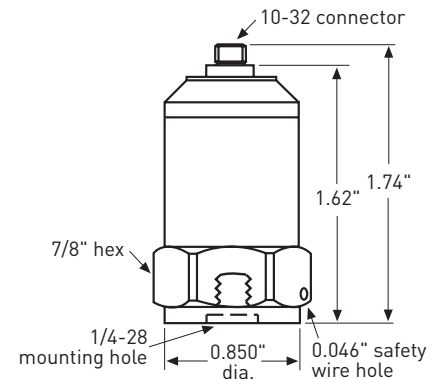
Accessories supplied: SF6 mounting stud; calibration data (level 3)

Notes: ¹ Frequency response when using standard 12ft cable. Longer cables will increase capacitance and decrease frequency response.

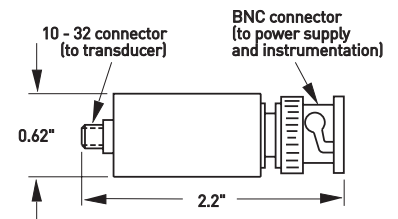


Key features

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



Model 376



Model CC701HT

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.