Accelerometer/charge amplifier system

Wilcoxon SENSING TECHNOLOGIES

376/CC701HT

SPECIFICATIONS

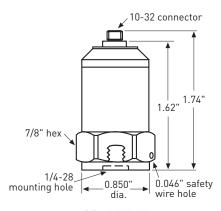
Sensitivity, ±10%, 25°C		100 mV/g
Acceleration range		50 g peak
Amplitude nonlinearity, to 50 g	J	1%
Frequency response:	±10% ±3 dB	2 - 10,000 Hz 1 - 15,000 Hz
Resonance frequency		30 kHz
Transverse sensitivity		5% of axial
Temperature response:	−50°C +260°C	-10% +20%
Power requirement: Voltage source Current regulating diode		18 - 30 VDC 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 CC701HT		−50° to +260°C −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 CC701HT		75 grams 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)

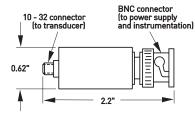


Key features

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



Model 376



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.