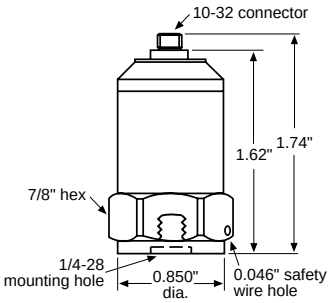
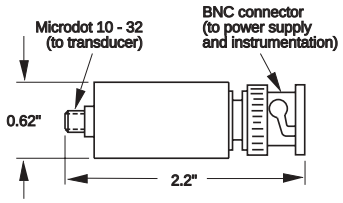
Model 376/CC701HT System
Accelerometer/Charge Amplifier System

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



Model 376



Model CC701HT

DYNAMIC

Sensitivity, 25°C	100 mV/g, ±10%
Acceleration Range	50 g
Amplitude Linearity, 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%

ELECTRICAL

Power Requirement: voltage source	18 - 30 VDC
current regulating diode	2 - 10 mA
Electrical Noise, equiv. g:	
Broadband	0.001 g peak
Output Impedance	<100Ω
Bias Output Voltage	12 VDC
Grounding	case isolated

ENIVIRONMENTAL

Temperature Range:	
376	–50 to 260°C
CC701HT	–40 to 100°C
Vibration Limit	500 g peak
Shock Limit	5000 g peak
Base Strain	0.002 g/μstrain

PHYSICAL

Sensing Element Design	PZT ceramic / 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[1]	R1-1-J3-12

CONNECTOR PIN	FUNCTION	CABLE CONDUCTOR COLOR
SHELL	common	Shield
Pin	power / signal	Center

NOTES: [1] Other cable lengths are available.
ACCESSORIES SUPPLIED: Calibration data (level 3).

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Due to continued research and development, Wilcoxon Research reserves the right to amend this specification without notice.

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