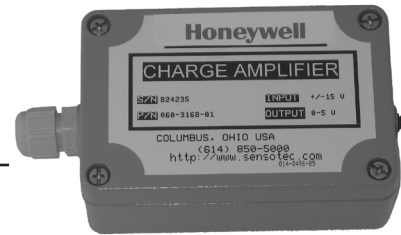


Model CA2/CA3

Charge Amplifier



DESCRIPTION

Charge-mode piezo-electric transducers require charge amplifiers to convert their output to useful levels. Honeywell in-line charge amplifiers are versatile and convenient solutions for the use of charge-mode piezo-electric transducers.

FEATURES

- Piezo-electric accelerometer amplifier
- ± 15 Vdc or 24 Vdc to 32 Vdc supply
- NEMA 4 housing
- Programmable sensitivity
- ± 5 V RMS max. output

Model CA2/CA3

POWER REQUIREMENTS

Characteristic	Measure
Input voltage	±15 Vdc or 24 Vdc to 32 Vdc
Input current	20 milliamperes

AMPLIFIER CHARACTERISTICS

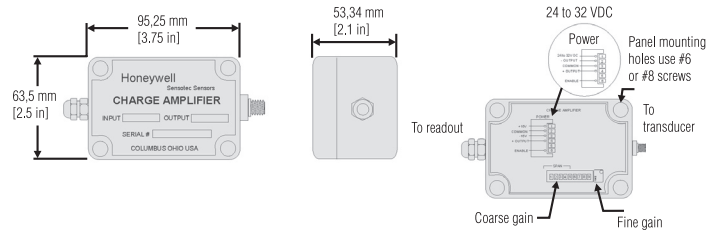
Characteristic	Measure
Sensitivity	Programmable (0.05 mV/pc to 6.4 mV/pc)
Input range	780 pc to 100000 pc
Output	±5 V RMS max.
Frequency response, Model CA2	3 Hz to 30 kHz (-3 db)
Frequency response, Model CA3	dc to 30 kHz
Time constant, Model CA2	50 milliseconds
Time constant, Model CA3	2000 seconds
Short circuit protected	+output to -output

PHYSICAL CHARACTERISTICS

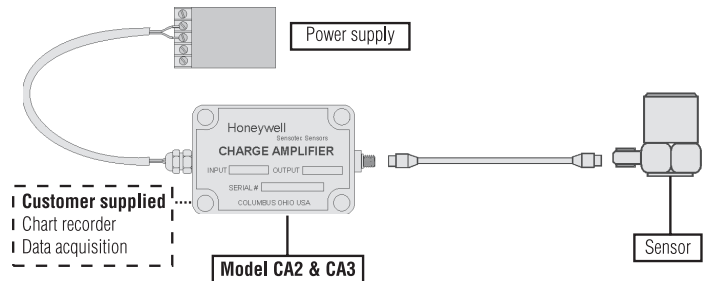
Characteristic	Measure
Size (L x W x H)	9,7 cm x 6,4 cm x 5,6 cm [3.8 in x 2.5 in x 2.2 in]
Temperature, operating	0 °C to 82 °C [32 °F to 180 °F]
Environmental protection	Moisture and dust resistant painted aluminum box
Method of connection input	Terminal strip inside of box
Sensor connection	Miniature coaxial connector
Mounting	Recessed screws, outside of the sealed volume

Not RoHS compliant

MOUNTING DIMENSIONS AND CHARACTERISTICS



TYPICAL SYSTEM DIAGRAM



Warranty. Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

For more information about Sensing and Control products, visit www.honeywell.com/sensing or call +1-815-235-6847

Email inquiries to info.sc@honeywell.com

⚠ WARNING
PERSONAL INJURY

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

⚠ WARNING
MISUSE OF DOCUMENTATION

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.