



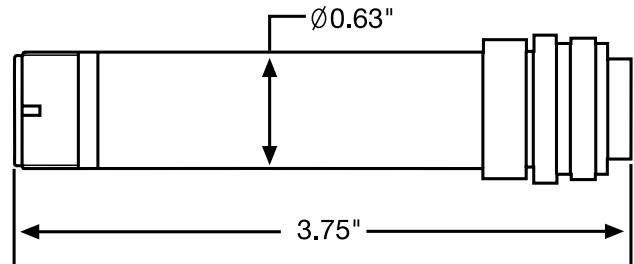
Proven Performance  
for Over 50 Years

# Magnetic Pickoff Amplifier

## DESCRIPTION

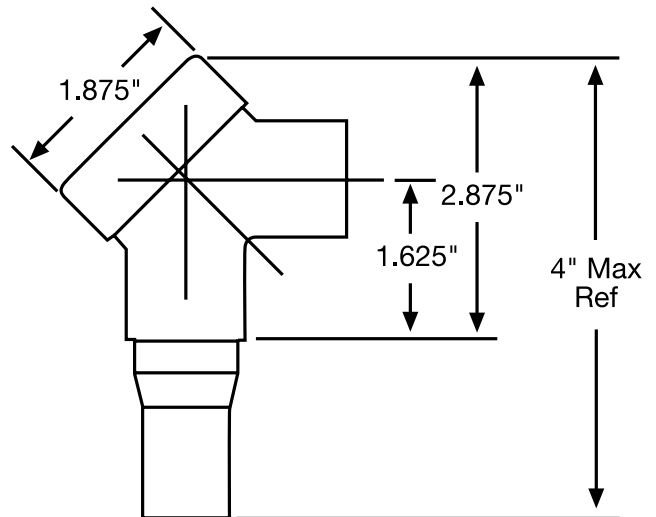
The 92-242 & 92-248 magnetic preamps will work with all magnetic (variable reluctance and inductive) pick off coils. These preamplifiers are designed to convert low level signals into a stable square wave pulse, thus extending the application range and signal distance to the pick off coil.

## MODEL 92-242

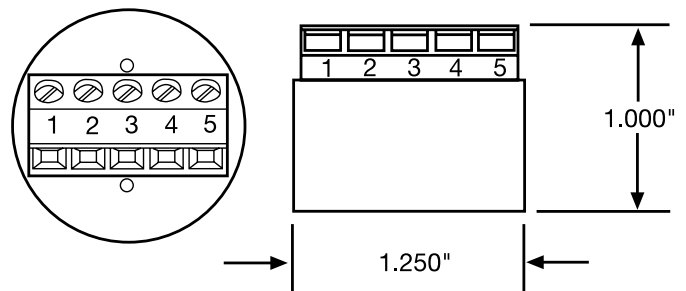


| Specifications                           |  |
|--|--|
| Input Voltage:                           | Min: 5.0 Vdc<br>Max: 28.0 Vdc                        |
| Input Current Standard:                  | 15 mA  |
| Output Voltage: Standard:                | 10 Vp-p  |
| Frequency Input Range:                   | Near Zero to 10k Hz                                  |
| Input Sensitivity:                       | Standard 50 mVpp                                     |
| Temperature Range:                       | -20° to 160°F  |
| Distance pick off to preamp:             | 100 ft max   |
| Output Protection:                       | Short to +VDC or<br>Common Continuous                |
| Response Time:                           | Full Scale change to 95%<br>of final value 180 m sec |
| Output Ripple and Noise:                 | 5 mVpp, <2 mV rms,<br>.05% of F.S.                   |
| Temperature Coefficient:                 | 25 to 40°C, 0.13%/°C,<br>13 mV/°C on 10 V range      |
| Explosion Proof Rating:<br>(92-244 ONLY) | Class I, GR.C,D<br>Class II, GR.E,F,G<br>Class III   |

## MODEL 92-244 (INCLUDES 92-248)

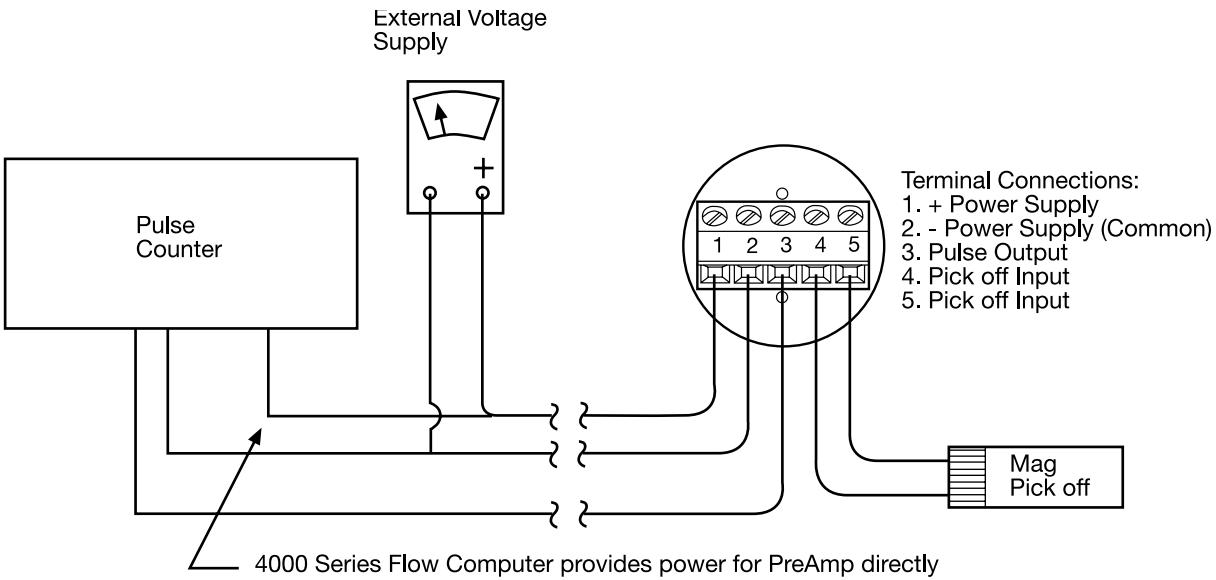


## MODEL 92-248

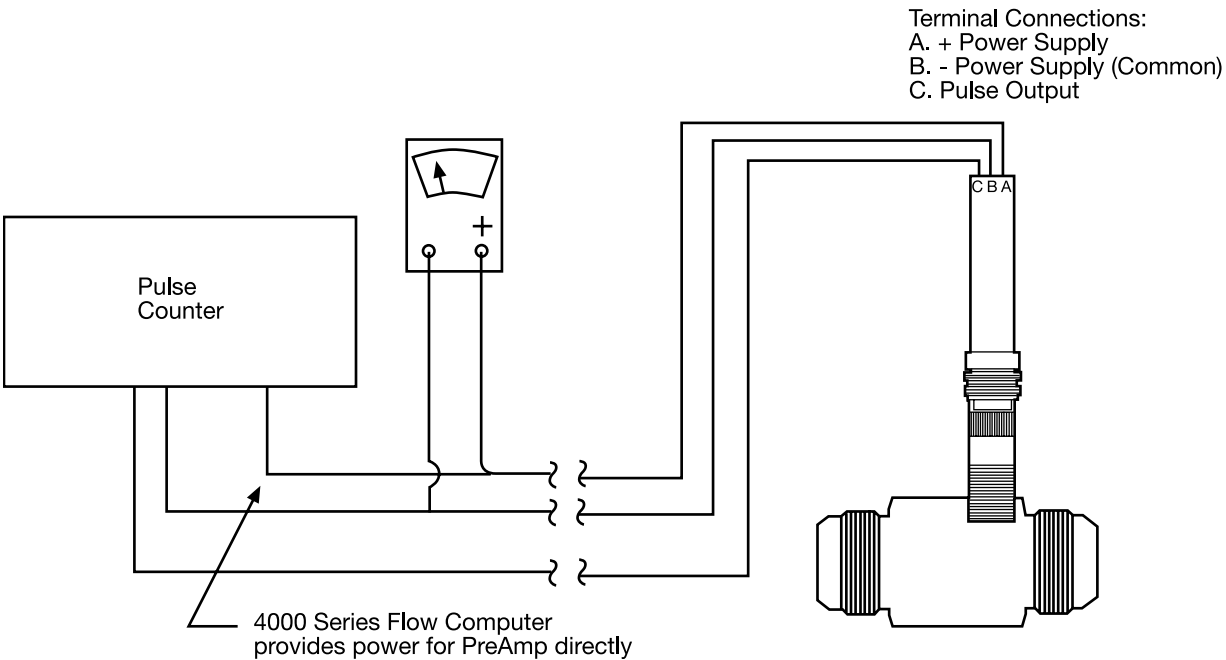


# Magnetic Pickoff Amplifier

## 92-248 MAGNETIC SIGNAL CONDITIONER: WIRING OPTIONS



## 92-242 MAGNETIC SIGNAL CONDITIONER: WIRING OPTIONS



For more information, contact COX Instruments  
or your local COX Instruments representative.



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for Over 50 Years*

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