



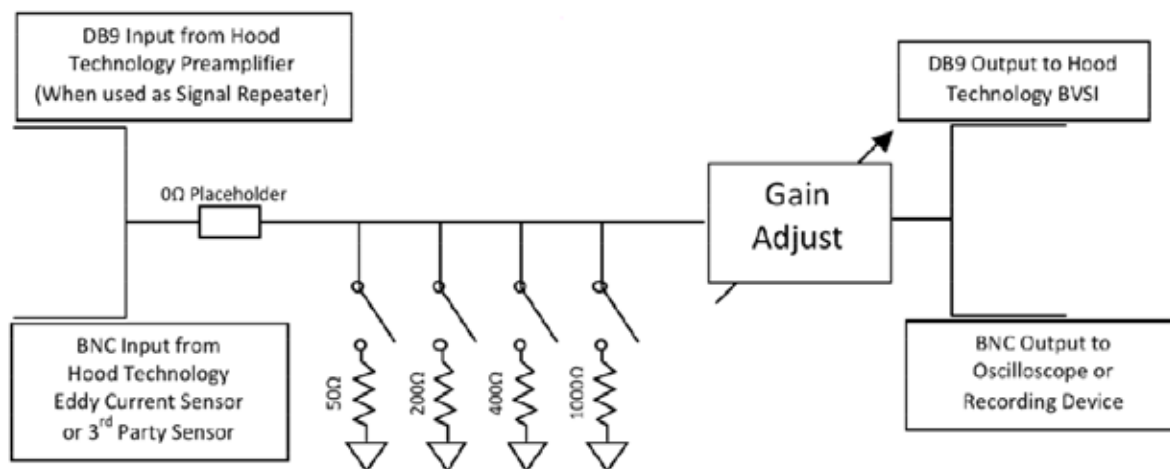
Eddy Current Preamp 1 September 2009

Hood Technology™ Blade Vibration Monitoring

Overview

- Provides conditioning of blade vibration sensor signals (low pass filter, adjustable gain).
- Low impedance output enables signals to be routed long distances (>100m) without compromising signal integrity.
- Designed to interface with Hood Technology™ Blade Vibration Monitoring System Eddy Current Tip Timing Sensors. It can also be used with third-party sensors with BNC connectors.
- Can supply 12 VDC to auxiliary devices through a terminal block that accepts 20 AWG or a smaller wire.

Schematic



Repeated for All 3 Channels



General Specifications

- Adjustable Gain - 7 steps 1X to 100X
- Passive Voltage dividers available for signal attenuation
- Optional Passive High Pass Filter
- Powered from Hood Technology™ Blade Vibration Sensor Interface (BVSII) or operates standalone with external (+/-12VDC) power supply
- Size: 6.5 in x 5.0 in x 1.75 in / 16.15 cm x 12.7 cm x 4.44 cm
- Weight: 1lb/ 453 grams
- Grounding strap to minimize EMI

Interface

- 3 Sensor Channels per Preamp
- DB-9: Input/output (for connection to Hood Technology™ BVSII)
- BNC: Conditioned analog output for each channel
- DIN5: External power supply input for standalone applications
- Terminal Block: Provides power to peripheral devices and grounding options.



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