

Infra-View[®] GB/IS

Generator Bus Bar Temperature Monitor Installation Manual



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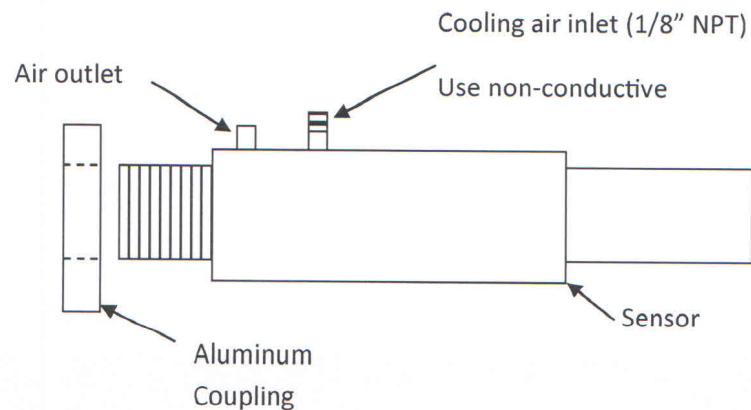
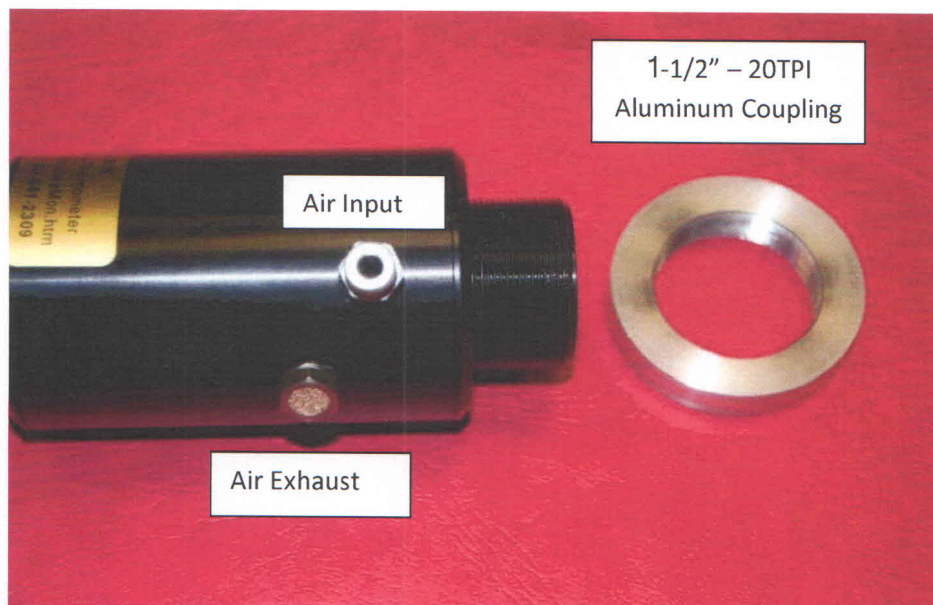
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Website: www.infra-view.com/BusTemperatureMon.htm

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- 1) **Duct Location** --- Select a location to install the Infra-view Generator Iso-Phase Temperature Monitors directly in the line of sight to the area on the Iso-Phase connection you wish to monitor. For example, aiming at the flex bolted connection might be advisable because these bolts tend to loosen and may create arcing and heat production.
- 2) **Aligning Sensor** --- Pre-drill a 1/2" hole and use a plumb bob or laser to create a straight line of sight between the hole in duct you will be cutting and the bus bar location to be measured.

Duct Installation ---- Drill a 1-1/2" hole into the duct and Heliarc weld the 2" x 1-1/2" ID – 20TPI custom aluminum coupling to the duct. Thread the sensor through the aluminum coupling and tighten.



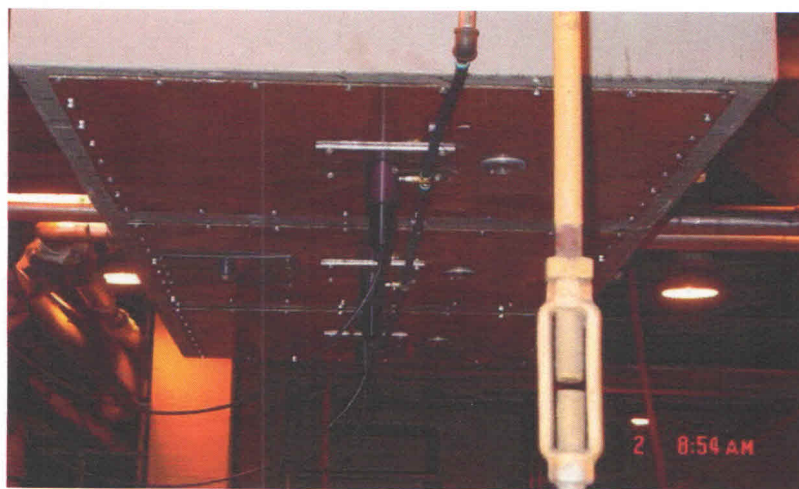
- 3) **Air Cooling** --- If ambient temperatures will exceed 120°F, then it is advisable to use air cooling by running a 1/8" air supply line to the sensor and connect to the supplied fitting. The line supplying cooling air should be thermoplastic. Do **not** use conductive tubing or hose containing any metal.

Final Installation Pictures



Cooling Air Input w/
1/8" air supply line

2 wire signal line for 4 – 20 mA output



Typical Installation with cooling air lines
run in series with air exhausted to atmosphere