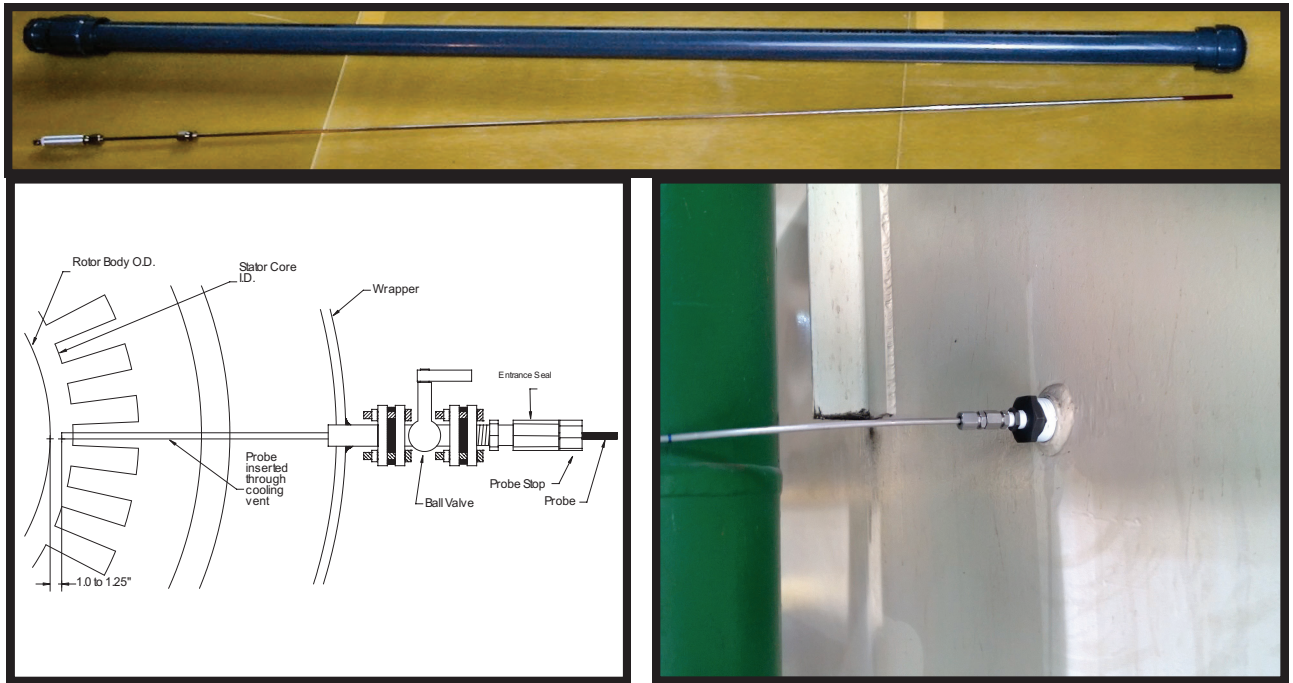


TEMPORARY AIR-GAP FLUX PROBES



Temporary probe in hydrogen-cooled generator

Temporary probe in air-cooled generator

GENERAL DESCRIPTION

PROBE

- Materials: TYPE 316 STAINLESS STEEL—3/16" OD, length varies per machine requirements
- Output signal: Passive coil +/- 2 volts AC, generated voltage
- Installation: Inserted through Hydrogen Penetration Seal assembly, through generator core ventilation slots to the air-gap. Core radial ventilation slots must be at least 3/16" wide. Air-cooled machines do not require penetration seal assemblies, the temporary probe is inserted through a Conax fitting that is threaded into the generator casing.

INTERNAL SIGNAL CABLE

- Material: #28 AWG twisted pair, Varglas Type HO glass sleeving
- Test Connection: Amphenol 31-10-RFX BNC isolated from ground bulkhead receptacle

HYDROGEN PENETRATION ASSEMBLY

- Materials: Welding Base – ASTM A 106 Carbon Steel
- Compression Seal – CONAX MPG 187-A-T
- Pressure Rating: 150 PSI rated pipe fittings and 1/2" ball valve

PACKAGING

- Shipped with all necessary installation components. Probe is packed in its own PVC storage case.

SPECIAL NOTE: The temporary air-gap flux probe is intended for temporary use only. The probe should be inserted just prior to acquiring data and removed promptly after completion of data collection. Prolonged use may result in vibration of the probe against stator bar insulation causing degradation.