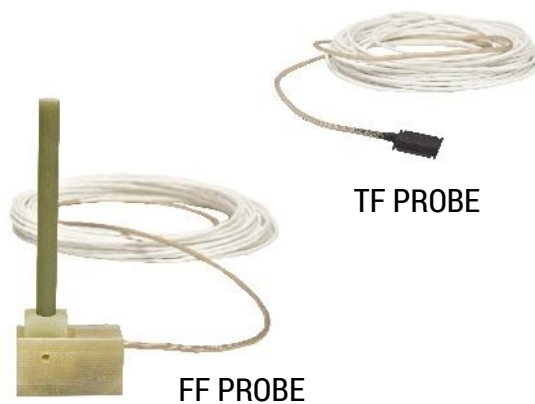


Iris Power Magnetic Flux Probes

FOR DETECTION OF ROTOR WINDING SHORTENED TURNS



The Iris Power TFProbe™ and Iris Power FFProbe™ measure the air gap flux rate of change to detect shorted rotor winding turns in synchronous motors, hydrogenerators, and turbine generators. The probes, when connected to the portable Iris Power RFAII™ instrument, the Iris Power FluxTracll™ continuous monitor, or the Iris Power GuardII™ monitor with Flux Add-On, allow the user to monitor the health of motor and generator field windings on-line, periodically or continuously.

IRIS POWER TFProbe™

The Iris Power TFProbe has been primarily designed for hydrogenerators and other salient pole machines. This probe can also be used in round rotor machines with air gap size less than 50 mm. The probe sensing element is a small printed board (12 mm wide, 25 mm long, 4 mm thick) which is affixed to a stator tooth with epoxy. In many machine designs, it is even possible to install the probe without removing the rotor – a definite advantage in retrofit.

IRIS POWER FFProbe™

The Iris Power FFProbe is used in turbine generators with an air gap size 50 mm and over. The probe is installed with the rotor out and affixed to a stator wedge with non-metallic pins. The probe height is customized based on the air gap size. The probe has a foldable layout to facilitate the rotor introduction without damaging the probe.

ORDER NUMBER	
M1511	TFProbe kit for air cooled salient pole machines with an air gap size less than 50mm. Includes TFProbe with a 15.2m probe cable, fiberglass termination box, sync sensor, epoxy and installation guide.
M1513	TFProbe kit for air cooled round rotor machines with an air gap size less than 50mm. Includes TFProbe with a 15.2m probe cable, fiberglass termination box, epoxy and installation guide.
M1521	TFProbe kit for hydrogen cooled machines with an air gap size less than 50mm. Includes TFProbe with a 15.2m probe cable, SMA-twisted pair adapter, hydrogen penetration kit, termination box, epoxy and installation guide.
M1515	FFProbe kit for air cooled round rotor machines with an air gap size 50mm and over. Includes FFProbe with a 15.2m probe cable, fiberglass termination box, epoxy and installation guide.
M1538	FFProbe kit for hydrogen cooled machines with an air gap size 50mm and over. Includes FFProbe with a 15.2m probe cable, SMA-twisted pair adapter, small hydrogen penetration kit, termination box, epoxy and installation guide.

GET IN TOUCH

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