

Iris Power Corona Probe™

Model PPM-97

ACCURATE LOCATION OF PARTIAL DISCHARGES IN ROTATING MACHINERY

- Offline PD test for locating activity in the winding
- Precisely locates PD to a particular stator slot and position
- Locates partial discharge with the winding energized phase by phase
- Portable, light-weight and easy to use
- Recommended in IEEE® Standard 1434™

The Iris Power Corona Probe™ Model PPM-97 is a portable, battery operated instrument for off-line detection of partial discharge in rotating machinery. The instrument, with its ferrite probe, is designed to measure partial discharge pulses. The corona probe test is a valuable aid for detecting the presence of abnormal partial discharges in stator winding insulation. It is one of the best tools for pinpointing the exact location of PD activity within the core sections of a stator winding.

The Iris Power PPM-97 Corona Probe supplements on-line PD measurements by more precisely locating the PD to a particular slot and position, with the winding energized phase-by-phase



using a high voltage AC source. Alternatively, it can be used as a stand-alone PD test for locating activity in the winding where no other PD information is available.

The Iris Power Corona Probe can also be used to check the quality of bonding between groundwall insulation layers in the slot sections of new resin-rich and individually VPI'd coils/bars, and the adequacy of slot resin fill in global VPI windings.

The Iris Power Corona Probe Model PPM-97 used to locate PD sites in a motor stator.

IRIS POWER CORONA PROBE™

FEATURES

- Tuned to partial discharge frequencies
- Battery operated
- Light-weight and portable

KIT CONTENTS

- Probe with peak pulse meter
- Ground Strap
- Carrying Case
- Operating Manual



SPECIFICATIONS

| | |
|---------------------------|---|
| Bandwidth | 0.5 – 10 MHz |
| Ranges | 10 / 30 / 100 / 300 / 1000 mA Peak and Battery Check |
| Effect of Battery Voltage | Reading decreases approximately 10% as the battery output drops from 9V to 7V. The instrument will operate satisfactorily if the battery voltage is >6V |
| Dimensions (meter only) | 9cm x 15.5cm x 4.5cm |
| Weight (meter only) | 445 grams |
| Probe Length | 91cm |
| Input Connection | BNC receptacle |
| Ground Connection | Metal 5-way binding post |
| Batteries | 9V long-life (2) |

**Specifications are subject to change without notice*

ORDER

| Part Nr. | Description |
|----------|--|
| PPM97 | Corona Probe including peak pulse meter, hand-held wand with 1.2m cable, ground strap, manual and carrying case. |

For other options, contact your sales representative

Iris Power Corona Probe is a trademark of Qualitrol-Iris Power.

QUALITROL-IRIS POWER HAS BEEN THE WORLD LEADER IN MOTOR AND GENERATOR WINDING DIAGNOSTICS SINCE 1990, PROVIDING A FULL LINE OF ON-LINE AND OFF-LINE TOOLS, AS WELL AS COMMISSIONING AND CONSULTING SERVICES.



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