The Complete Line of Products for Motors and Generators

IRIS POWER
A QUALITROL Company

SENSORS

Epoxy Mica Capacitors

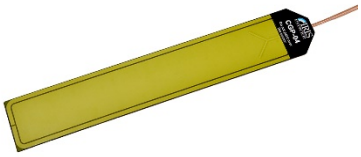
Sensors to detect partial discharge activity in electrical equipment on-line and off-line

Stator Slot Coupler

Sensors to detect stator winding partial discharge in large operating turbine generators

EVAII fiber optic single and dual axis accelerometers to detect stator endwinding vibration

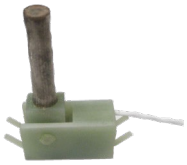
Air Gap Sensor to measure air gap between rotor surface and stator core



Flux Probes to detect shorted rotor winding turns via rotor magnetic flux

TF Probe - For motors and generators with round or salient-pole rotors with air gap smaller than 50 mm

FF Probe - For turbine generators with over 50 mm air gap



CONTINUOUS ON-LINE MONITORING

TracII™ System

PDTracII 4208 system provides automated, continuous partial discharge monitoring with configurable alarms that initiate on high partial discharge levels

FluxTracII 4208 system provides automated, continuous rotor flux monitoring on up to four rotating machines

GuardII+ 4208™ System

GuardII+ 4208 is a high resolution continuous on-line monitor for the stator and rotor windings of generators and electric motors, monitoring up to 4 technologies:

- Partial discharge for stators
- Stator endwinding vibration
- Shorted rotor turns
- Shaft voltage and current

AGTracII™

AGTracII is an efficient tool for on-line monitoring of the air gap
It uses low profile capacitive sensors designed for accurate distance measurement
It provides complete real time analysis, alarm management and trending

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PORTABLE ON-LINE INSTRUMENTS

PDA-IV™ & TGA-B™ TGA-B™

Portable instruments to perform partial discharge periodic tests on motors, generators, dry type transformers, switchgear and IPB on-line and off-line

RFAII-R™, RFAII-S™

Portable instrument to detect rotor winding insulation problems in round and salient-pole rotors in generators and synchronous motors

MDSP3™

Portable instrument to detect motor rotor cage winding faults and air gap eccentricity

OFF-LINE TEST INSTRUMENTS

EL CID™ Evolution

Detects and records shorted stator core laminations

Stator Wedge Analyzer™

Objectively tests stator winding wedge tightness

RIV 802 & Camera System

Robotic inspection and core testing vehicle with rotor in place

PPM 97™

Detects partial discharge location in rotating machine stator windings

DCR-60™

Test stator windings with this accurate, ramping direct high voltage test set up to 60 kV dc

DRA3™

Dielectric Response Analyzer measures polarization and depolarization currents, tests up to 10 kV dc

PowerMaxx™

Customized mobile high voltage test system up to 15 kV ac, including transformer

DeltaMaxx™

Compact digital loss factor, capacitance, and partial discharge analyzer, up to 20 kV

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