The Complete Line of Products for Motors and Generators

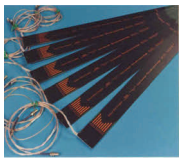
IRIS POWER
A QUALITROL Company

SENSORS

Epoxy Mica Capacitors

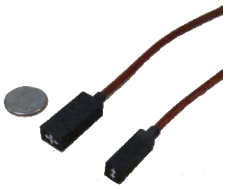
Sensors to detect partial discharge activity in electrical equipment on-line and off-line

Stator Slot Couplers



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

EVAII fiber optic accelerometer to detect stator endwinding vibration



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

Flux Probes to detect shorted rotor turns via magnetic flux

TFProbe—For motors and generators with round or salient pole rotors and air gaps <50mm

FFProbe—For turbine generators with >50mm air gap

CONTINUOUS ON-LINE MONITORING

AGTracII™

Monitor the air gap between the rotor and the stator in hydrogenerators

EVTracII™

Continuous monitor for stator endwinding vibration

FluxTracII-*R*™ & FluxTracII-*S*™

Continuous monitor for shorted turns in salient pole and round rotor windings

TracII™ Systems for monitoring PD

Continuously monitor and alarm on high partial discharge activity in motors and generators.

Three models:
PDTracII—motors
BusTracII—turbogenerators
HydroTracII—hydrogenerators
MarineTracII—off-shore and ship motors and generators

GuardII™ Systems

Continuous monitoring platform to monitor up to 3 conditions:

- High resolution PD for stators
- Stator endwinding vibration
- Shorted rotor turns using magnetic flux
- Shaft voltage and current

SMTracII™

Continuous monitor for shaft voltage and current levels in motors and generators.

August 2015

IRIS POWER A QUALITROL Company
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QUALITROL Defining Reliability

The Complete Line of Products for Motors and Generators

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PORTABLE ON-LINE INSTRUMENTS

PDA-IV™ & TGA™

Portable instruments perform partial discharge tests on motors and generators on-line and off-line

RFAII-R™ & RFAII-S™

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

MDSP3™

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

OFF-LINE TEST INSTRUMENTS

EL CID™ Evolution

Detect and record shorted stator core laminations

Stator Wedge Analyzer™

Objectively test stator winding wedge tightness

RIV & Camera

Robotic inspection and core testing with rotor in place

PPM 97™

Detect partial discharge location in rotating machine stator windings

DCR-60™

Test stator windings with this accurate, DC ramp direct high-voltage test to 60 kV

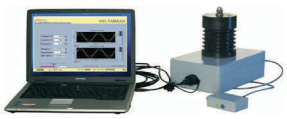
PDAlert™

Measure partial discharge caused by short risetime voltage impulses

PowerMaxx™

Customized mobile high voltage test systems up to 60 kV ac, including transformer

DeltaMaxx™



Compact digital loss factor and capacitance analyzer with optional PD module, up to 50 kV ac

DRA3™

Dielectric Response Analyzer, measures polarization-depolarization current. Test up to 10 kV DC

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