GE VERNOVA

ACCUTECTOR AT 9000

Next-generation replacement for Rotector II

GROUND FAULT MONITORING SYSTEM

- Monitor rotor voltage, current, temperature, and insulation resistance
- Improved reliability over Rotector II
- Protections can be set for alarm or trip
- Rated Class 1 Division 2 for hazardous atmosphere, NEMA 4X enclosure
- Option to use Ethernet or original serial communication with adapter
- Can be applied to existing or new equipment
- GE Vernova will help you verify dimensions using original drawings
- On-site support with technical staff available
- Continuous online monitoring of rotor ground faults while rotating or standstill
- Indicates fault severity and relative location on field winding
- Seamless replacement for Accumetrics' large diameter Rotector Model AS9000
- USB connection for configuration and diagnostics

Typical Applications

- Detect trends and identify severity and location of insulation faults promptly
- Schedule repairs during low-demand periods,minimizing downtime
- Enable earlier initiation of starts based on real-time feedback

Accutector Ground Fault Monitoring System Model AT-9000 is the ideal tool for ensuring the safety of generators and large motors. The system detects field winding insulation faults by continuously measuring insulation resistance.

Analyzing insulation resistance trends allows repairs to be scheduled during a time of low demand and greatly reduces the impact of required downtime.
Location factor measurement, which indicates the location of single insulation faults as a relative distance from the negative terminal (0%) to the positive terminal (100%), aids in making repairs more quickly.

Designed to be easily installed on existing machines with little to no shaft modification, the Accutector is also a drop-in replacement for the large-diameter Rotector Model AS-9000. Users now have a straightforward path to replace the obsolete Rotector with a robust product with the same form and fit, plus upgraded function and durability.

Accutector Receiver

Accutector System

Typical Screens on ESP1 Stat-X-Ator or ACBEX HMI

Specifications	
Field Voltage	
Measurement Range	0 – 500 VDC
Maximum Transient without Damage	1000 Vrms for 60 seconds 2000 VDC or Vpeak for 1 second
Accuracy	± 0.1% of full-scale range nominal, ±0.2% max
Field Current	
Number of Inputs	3 (fewer can be used)
Common Input Mode Range	Within ±2 V of field negative terminal
Accuracy	± 0.1% of full-scale range nominal, ±0.2% max
Earth Fault Resistance	
Range	0 to ~70 MΩ
Accuracy	±500 Ω ± 2% of Reading 0 to 500 kΩ (exclusive of the effects of AC content and noise from the excitation system, averaging over ≥ 10 measurements)
Thermocouple Inputs	
Number of Thermocouple Inputs	2
Thermocouple Type	Type K
Receiver	
Digital Output Interface	ModbusTCP (both client and server)/ ModbusRTU Slave (in future firmware release)
Diagnostic/Configuration Port	USB B (Only to be used in safe locations)
Transmitter	
Weight	Approximately 4.4 lbs (2 kg)
Rotor Connections	Field Positive Terminal, Field Negative Terminal, Rotor Ground, 3x Current Shunt Resistors, 2x Thermocouples
Environment	
Ambient Temperature	-4 °F to +158 °F (-20 °C to +70 °C)
Hazardous Locations	Class I, Division 2 Groups A, B, C, and D, T3C
Optional acessories	
Receiver Enclosure	
26’ or 40’ Interface to Receiver Interconnection Cable	
Interface Module Adapter Plate	
Ethernet to serial communication adapters	

About GE Vernova’s Power Conversion & Storage business

GE Vernova’s Power Conversion & Storage business combines advanced energy conversion and storage systems to meet the electrification needs of utilities and industries. With a focus on power stability, energy storage, and industrial electrification solutions, Power Conversion & Storage empowers customers by addressing their most complex electrification challenges and accelerating their transition to a sustainable, decarbonized future

For more information, please visit
gevernova.com/power-conversion

GEA35605_Accutector_BCH_Ground-Fault-Monitoring-System_EN_20260415

GE VERNOVA