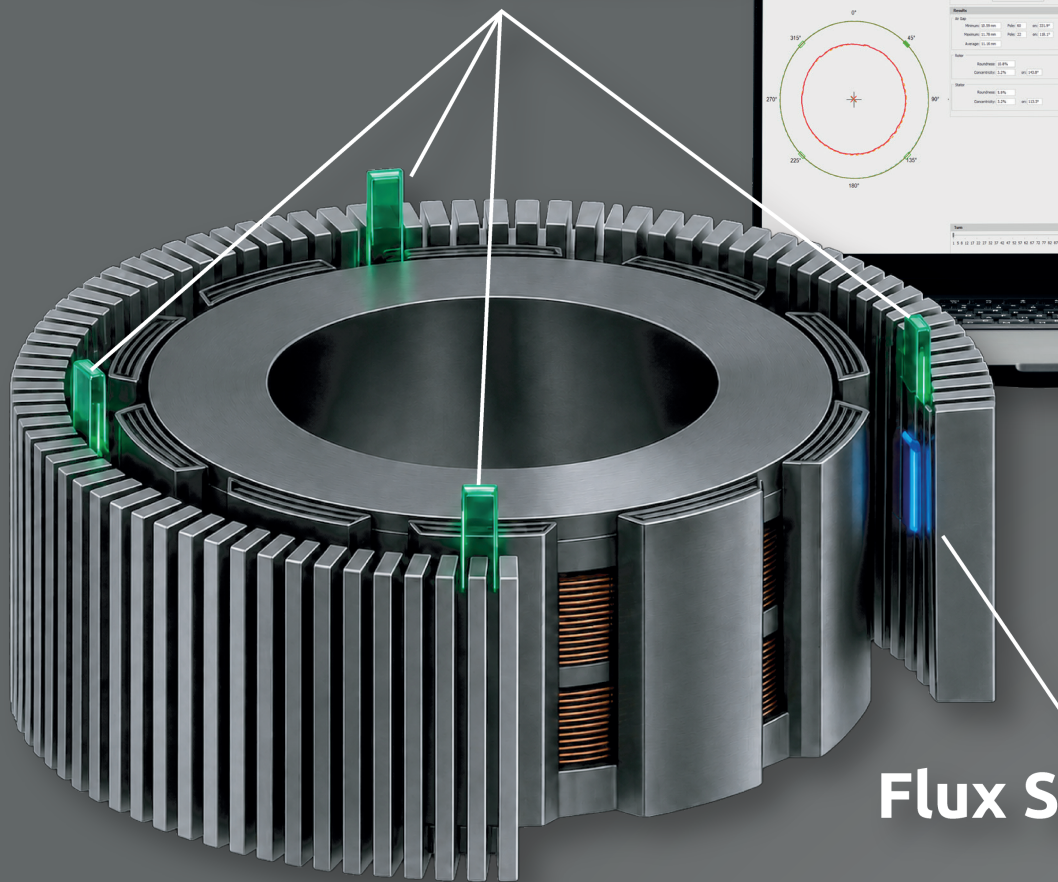


GapOne + FluxOne *Analyzer*

Air Gap Sensors



Flux Sensor

Air Gap and
Magnetic Flux
Monitoring

GapOne - rotor and stator geometry



Detects: rotor-to-stator contact risk before it becomes a failure.



Shows: minimum, maximum, and mean clearance, circumferential profile, and long-term drift.



Supports: eccentricity confirmation through a measurement independent of geometry.

FluxOne - pole-by-pole magnetic signature



Detects: a weak pole directly, before it becomes a vibration symptom.



Compares: flux intensity across the load and excitation-current range.



Supports: commissioning, overhauls, run-up, coast-down, and load versus no-load comparisons.

Open, standards-based architecture



Provides: open, documented data over standard industrial protocols, not a proprietary format.



Integrates: with SCADA, DCS and asset management systems already in place.



Ensures: the asset owner keeps full ownership of their own data, independent of any single machine supplier.



All specifications are valid at ambient temperature unless otherwise specified.
In the interest of continuous product improvement, we reserve the right to change specifications without prior notice.

Analyzer

GapOne Software

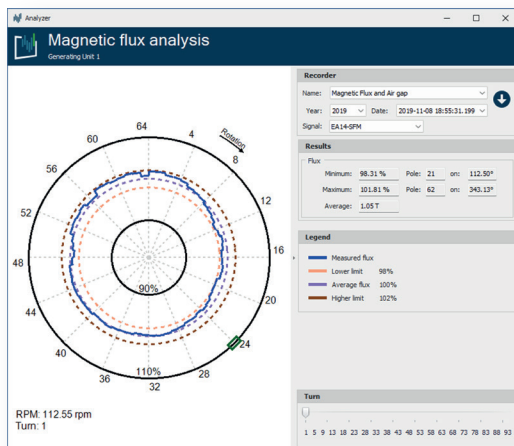
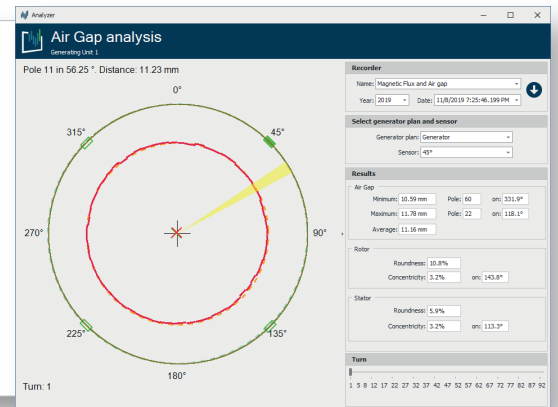
Clearance profile: Minimum, maximum and mean air gap values around the full circumference.

Rotor and stator geometry: Roundness, concentricity and out-of-roundness assessment.

Eccentricity analysis: Separation of static and dynamic eccentricity with angular reference.

Operating-condition comparison: Evaluation during run-up, coast-down, load changes and thermal transients.

Trending and alarms: Long-term drift tracking and configurable limits for minimum gap and circularity.



FluxOne Software

Pole profile: Magnetic flux intensity displayed individually for every rotor pole.

Weak-pole detection: Fast identification of shorted turns, field winding faults and pole asymmetry.

Operating-point correlation: Comparison across excitation current, load and rotor temperature.

Geometric compensation: Correlation with air gap data to distinguish winding faults from eccentricity effects.

Trending and alarms: Long-term monitoring with configurable thresholds and pole-to-pole comparison.



Integrated diagnosis on the AQTech platform

GapOne and FluxOne software tools can be viewed together with vibration, partial discharge, load, excitation and angular-reference data. The integrated analysis helps confirm the origin of the fault and supports faster, more reliable maintenance decisions.

Key Features

Model	 GapOne	 FluxOne
Measures	Air gap, 3...50 mm (three ranges)	Flux density, -2...+2 T
Principle	Non-contact capacitive	GaAs Hall effect
Bandwidth	DC...1 kHz (-3 dB)	DC...10 kHz (-3 dB)
Probe thickness	2...3 mm	1.2 mm
Probe temperature	-20...140 °C	-20...125 °C
Output	4...20 mA / 2...10 V, isolated	4...20 mA / 2...10 V, isolated, 2 mA fault
Magnetic environment	Magnetic field: immunity	Measurement range
Delivery	Factory-calibrated matched set, individual MTR	Factory-calibrated matched set, individual MTR



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