Technical Specifications

Inputs and outputs

Endwinding Vibration Input	Quantity	16 Each connector supports up to 2 axis
	Connector	3-pole Terminal Block Connector: Conductor cross section min/max 28 AWG/16 AWG Terminal torque min/max 0.2/0.25 Nm Tool blade dimensions 0.4 x 2.5 mm
	Input Range (maximum)	±2.5 V
	Input Impedance	High-Z
Shaft Trigger Input	Quantity	1
	Connector	6-pole Terminal Block Connector: Conductor cross section min/max 28 AWG/16 AWG Terminal torque min/max 0.2/0.25 Nm Tool blade dimensions 0.4 x 2.5 mm
	Input Range (absolute peak value)	500 mV to 38 V
	Input Impedance	5.3 kΩ (single-ended) 10.6 kΩ (differential)
	Auxiliary Output Voltage	22 Vdc

Data Acquisition

Monitored Machines	1
EV Sampling	24-bit resolution 2048 Hz
Phase Shift	GuardII does not introduce any phase shift.
Data Analysis	Simultaneous acquisition and analysis of all EV inputs. Vector analysis of pairs of linked signals.

Acquisition/Processing Time	1 s acquisition 6-9 s processing
Poles per Machine	2 or 4
Monitored Load Points	4 to 10 (equal to number of coils)
Flux Sampling	16-bits >300 kHz
Shaft Trigger Targets	1
Shaft Trigger Timestamp Precision	15 ns