

PR9268 ELECTRODYNAMIC VELOCITY SENSORS

Product Data Sheet

PR9268/203-100

electrodynamic velocity sensor

FUNCTION	FAMILY	ORIGIN	WEIGHT
electrodynamic velocity sensor	PR9268 electrodynamic velocity sensors	Germany	0.93 kg

Epro PR9268/203-100 is a electrodynamic velocity sensor for the PR9268 electrodynamic velocity sensors. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Mounting direction	Vertical $\pm 30^\circ$
Sensitivity	28.5 mV per mm/s
Frequency range	4 to 1000 Hz
Natural frequency	4.5 Hz ± 0.75 Hz
Transverse sensitivity	0.13 at 110 Hz
Electrical resistance	1875 $\Omega \pm 10\%$
Electrical inductance	≤ 90 mH
Continuous acceleration	10 g
Intermittent acceleration	20 g
Measurement amplitude	3000 μm

ADDITIONAL PRODUCT DATA

Mechanical limit	4000 µm
Linearity error	<2%
Operating temperature	-20 to +100 °C
Ingress protection	IP55

OFFICIAL APPLICATIONS

- Turbine casing vibration monitoring: Machinery Protection Systems
- Compressor train vibration supervision: Condition Monitoring Systems
- Rotating equipment vibration measurement: Plant Reliability Systems

SYSTEM COMPATIBILITY

Match PR9268/203-100 to the installed PR9268 electrodynamic velocity sensors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Emerson official manufacturer documentation](#)

<https://www.emerson.com/en/automation-systems/asset-performance-management/machinery-health-management/ams-pr9268>

AMIKON PRODUCT SUPPORT

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