

INDUSTRIAL AUTOMATION PRODUCT

PR9268/200-000

PR9268 Electrodynamic Velocity Sensor

The sensor converts absolute housing vibration velocity into an electrodynamic voltage signal for compatible machinery protection and condition-monitoring inputs.

IDENTITY	VERIFIED VALUE
Manufacturer	EPRO
System family	Emerson EPRO machinery protection system
Part number	PR9268/200-000
Country	Germany
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named EPRO product record.

PARAMETER	TECHNICAL VALUE
Complete catalog number	PR9268/200-000
Measuring principle	Electrodynamic
Measuring direction	Vertical
Frequency range	4 to 1000 Hz
Natural frequency	4.5 Hz +/-0.75 Hz
Sensitivity	28.5 mV/(mm/s) +/-5%
Transverse sensitivity	0.13 at 110 Hz
Measuring-circuit resistance	1875 Ohm +/-10%
Insulation resistance	>1 MOhm at 500 V AC
Maximum measuring-direction deviation	+/-30 deg without sinking current
Maximum measuring-direction deviation with sinking current	+/-60 deg

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	Documented host position and companion hardware
Companion hardware	Approved field or control wiring arrangement
Field connection	Recorded connector, shield and grounding system
Primary system function	Provides the documented PR9268 Electrodynamic Velocity Sensor function
Controlled acceptance duty	Emerson EPRO machinery protection system installed-base service

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System Role and Architecture

The sensor converts absolute housing vibration velocity into an electrodynamic voltage signal for compatible machinery protection and condition-monitoring inputs.

FUNCTION 1

Provides the documented PR9268 Electrodynamic Velocity Sensor function

FUNCTION 2

Maintains the engineered signal or power path

FUNCTION 3

Integrates with the specified host and companion hardware

FUNCTION 4

Supports controlled diagnostics and functional verification

Matched system components

- Documented host position and companion hardware
- Approved field or control wiring arrangement
- Recorded connector, shield and grounding system
- Configured monitor, controller or protection channel

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Documented host position and companion hardware
Companion hardware	Approved field or control wiring arrangement
Field connection	Recorded connector, shield and grounding system
Primary system function	Provides the documented PR9268 Electrodynamic Velocity Sensor function
Controlled acceptance duty	Emerson EPRO machinery protection system installed-base service

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Applications and Engineering Context

Emerson EPRO machinery protection system installed-base service

Provides the documented PR9268 Electrodynamic Velocity Sensor function

Emerson EPRO machinery protection system compatibility review

Maintains the engineered signal or power path

Emerson EPRO machinery protection system installation planning

Integrates with the specified host and companion hardware

Emerson EPRO machinery protection system controlled commissioning

Supports controlled diagnostics and functional verification

TECHNICAL NOTE

Install PR9268/200-000 only in the documented Emerson EPRO machinery protection system position and preserve the recorded connections. After installation, restore the approved configuration and complete controlled diagnostic and functional checks.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	PR9268/200-000 / PR9268/200-000 recorded
Physical interface	Documented host position and companion hardware
Companion check	Approved field or control wiring arrangement
Functional proof	Provides the documented PR9268 Electrodynamic Velocity Sensor function
Application test	Emerson EPRO machinery protection system installed-base service

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Engineering Precautions

1

Verify the complete PR9268/200-000 marking and installed position before work.

2

Place the connected equipment in the approved maintenance state.

3

Isolate applicable power and signal energy before disconnecting wiring.

4

Use ESD controls and protect connectors from contamination or damage.

5

Record as-found cable, terminal, shield and grounding identity.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330106-05-30-05-02-00	3300 XL 8 mm reverse-mount probe	View 330106-05-30-05-02-00 page
330130-045-00-00	3300 XL standard extension cable	View 330130-045-00-00 page
330130-080-02-05	3300 XL extension cable	View 330130-080-02-05 page
330850-50-00	3300 XL NSv Proximity Sensor	View 330850-50-00 page
330171-00-12-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-50-01-05 page
330171-00-12-05-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-05-01-05 page
330171-00-33-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-33-50-01-05 page
330171-00-08-10-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-08-10-01-05 page

MANUFACTURER SOURCE RECORD

Emerson PR9268 Installation Guide

MHM-97479 Rev. 3.9

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