

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.

PRODUCT SNAPSHOT

BRAND

EPRO

FAMILY

Emerson EPRO machinery protection system

PART

PR9268/200-000

ORIGIN / HS

Germany / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

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

- 1 Provides the documented PR9268 Electrodynamic Velocity Sensor function
- 2 Maintains the engineered signal or power path
- 3 Integrates with the specified host and companion hardware
- 4 Supports controlled diagnostics and functional verification

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

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.

TECHNICAL DATA

PARAMETER	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%

PARAMETER	VALUE
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

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER 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
330172-00-08-10-01-05	3300 XL 5/8 mm armored proximity probe	View 330172-00-08-10-01-05 page
330103-00-04-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-04-10-02-00 page
330103-00-12-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-12-10-02-00 page
330103-00-16-10-02-05	3300 XL 8 mm metric proximity probe	View 330103-00-16-10-02-05 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

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

PRODUCT 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.
- 6 Restore only the approved system configuration for this exact catalog number.
- 7 Inspect mechanical mounting and cable support before energization.
- 8 Complete controlled diagnostics and a functional response test before release.

ENGINEER FAQ

Q1 Does PR9268/200-000 match Documented host position and companion hardware in a Emerson EPRO machinery protection system installed-base service installation?

Verify the complete PR9268/200-000 marking, the documented Emerson EPRO machinery protection system position and the installed Documented host position and companion hardware before fitting the assembly.

Q3 Which Emerson EPRO machinery protection system records should be captured before removing PR9268/200-000?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with PR9268/200-000 before disconnection.

Q5 Which Approved field or control wiring arrangement condition should be checked when PR9268/200-000 reports an abnormal state?

Check the Approved field or control wiring arrangement supply, seating and connection first, then compare channel diagnostics with the recorded PR9268/200-000 baseline.

Q7 What maintenance evidence is required after PR9268/200-000 is used for Emerson EPRO machinery protection system installation planning?

Retain the nameplate record, corrective action, final diagnostics and a controlled emerson epro machinery protection system installation planning functional-test result for PR9268/200-000.

Q2 How should PR9268/200-000 be wired when it must provides the documented pr9268 electrodynamic velocity sensor function?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for PR9268/200-000; then continuity-test the affected path.

Q4 What controlled test confirms that PR9268/200-000 can maintains the engineered signal or power path?

Apply the approved field or simulated stimulus, observe the Emerson EPRO machinery protection system indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can PR9268/200-000 be moved directly into Emerson EPRO machinery protection system compatibility review without validating Configured monitor, controller or protection channel?

No. Confirm the Configured monitor, controller or protection channel, revision, connection scheme and Emerson EPRO machinery protection system configuration before transferring PR9268/200-000 to that duty.

Q8 How should PR9268/200-000 be returned to service in Emerson EPRO machinery protection system controlled commissioning?

Restore power under control, verify integrates with the specified host and companion hardware, exercise the intended signal path and release PR9268/200-000 only after the Emerson EPRO machinery protection system remains in its approved operating state.

SOURCE Emerson PR9268 Installation Guide | MHM-97479 Rev. 3.9

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