

PR9268-202-100

PR9268 electrodynamic velocity sensor

CONTROLLED ENGINEERING COPY

Confirm vertical orientation, eight-metre cable routing, base flatness and conductor polarity; verify the channel at controlled machine speed before protection release.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	PR9268-202-100
Manufacturer part	PR9268-202-100
Hardware type	Vertical; up to 100 degC
System family	PR9268 vertical case-seismic measurement



APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



01 PRE-INSTALLATION PLAN

- 1

Confirm the full PR9268-202-100 marking, vertical measuring orientation and assigned machine location before removal.
- 2

Place the monitored machine and protection logic in the approved maintenance state before sensor work.
- 3

Use the three M6 through bores or M4 blind-hole threads without exceeding the documented 10 mm blind-thread depth.
- 4

Support the 8 m armored cable and maintain at least the documented 35 mm bending radius.
- 5

Preserve the measuring axis and housing contact surface; do not introduce tilt, rocking or loose mounting.

MATCHED HARDWARE

- AMS 6500 A6120 monitor
- Vertical case mounting pad
- Open-end cabinet termination
- Approved velocity-channel configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	PR9268-202-100 / PR9268-202-100 recorded
Physical interface	AMS 6500 A6120 monitor
Companion check	Vertical case mounting pad
Functional proof	Designed for vertical measuring points
Application test	Vertical pump casing vibration

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Measuring orientation	Vertical; up to 100 degC
Cable construction	Armored
Cable length	8 m
Cable termination	Open ends
Frequency range	4 to 1000 Hz
Natural frequency	4.5 +/-0.75 Hz at 20 degC
Sensitivity	28.5 mV/(mm/s) +/-5%
Damping	0.56 at 20 degC; 0.42 at 100 degC
Measuring-circuit resistance	1875 Ohm +/-10%
Insulation resistance	>1 MOhm at 500 V AC
Inductance	<90 mH
Capacitance to housing	<1.2 nF including cable
Maximum lifting/sinking current	1.8 mA
Operating temperature	-20 to +100 degC

FIELD NOTE

Confirm vertical orientation, eight-metre cable routing, base flatness and conductor polarity; verify the channel at controlled machine speed before protection release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	PR9268-202-100 / PR9268-202-100 recorded
Physical interface	AMS 6500 A6120 monitor
Companion check	Vertical case mounting pad
Functional proof	Designed for vertical measuring points
Application test	Vertical pump casing vibration

04 RETURN-TO-SERVICE RECORD

- ☐
- Identify both open-ended cable conductors and preserve shield and polarity continuity to the monitor channel.

☐☐☐

VERIFICATION RECORD

PRODUCT IDENTITY	PR9268-202-100
INSTALLED POSITION	Documented PR9268 vertical case-seismic measurement position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
A6560	Related Emerson product	View A6560 page
A6120	Related Emerson product	View A6120 page
A6312-06	Related Emerson product	View A6312-06 page
IC695CPE330	Related Emerson product	View IC695CPE330 page
A6210	Related Emerson product	View A6210 page
A6110	Related Emerson product	View A6110 page
5X00121G01	Related Emerson product	View 5X00121G01 page
5X00119G01	Related Emerson product	View 5X00119G01 page

SOURCE IDENTIFIERS

Emerson PR9268 Electrodynamic Velocity Sensor Installation Guide and Product Data Sheet
MHM-97479 Rev. 3.9, February 2025

APTER POWER SALES TEAM

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com

