

PR9268-201-100

PR9268 electrodynamic velocity sensor

CONTROLLED ENGINEERING COPY

Mount on a clean rigid surface in the documented vertical orientation, support the five-metre armored lead, preserve polarity and verify the monitor input response before service.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	PR9268-201-100
Manufacturer part	PR9268-201-100
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 PR9268-201-100 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 5 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 or compatible input
- Rigid machine-case mounting pad
- Open-end field termination
- Protection and trending configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	PR9268-201-100 / PR9268-201-100 recorded
Physical interface	AMS 6500 A6120 monitor or compatible input
Companion check	Rigid machine-case mounting pad
Functional proof	Configured for vertical measurement positions
Application test	Vertical bearing-housing vibration

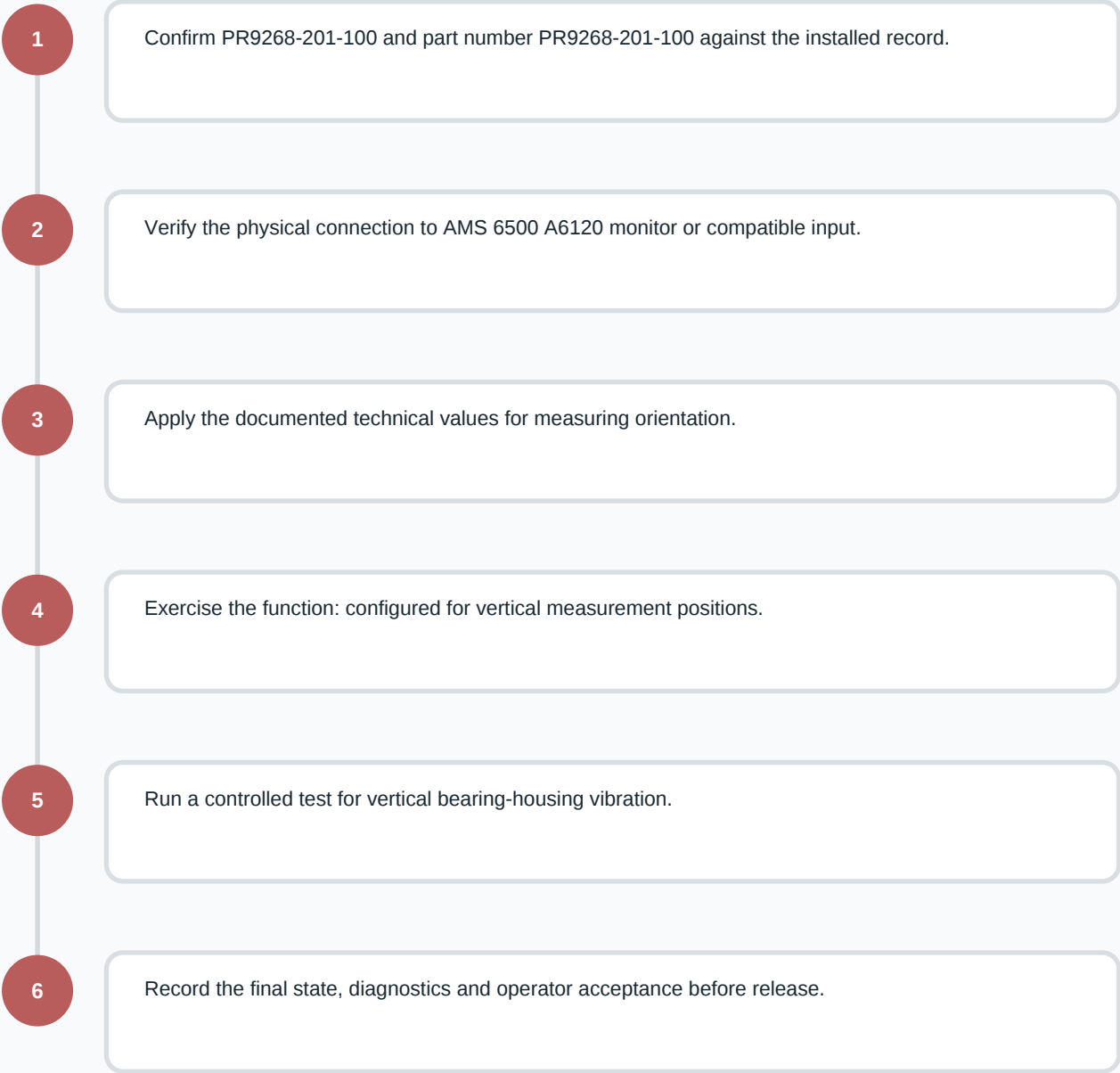
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Measuring orientation	Vertical; up to 100 degC
Cable construction	Armored
Cable length	5 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

Mount on a clean rigid surface in the documented vertical orientation, support the five-metre armored lead, preserve polarity and verify the monitor input response before service.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	PR9268-201-100 / PR9268-201-100 recorded
Physical interface	AMS 6500 A6120 monitor or compatible input
Companion check	Rigid machine-case mounting pad
Functional proof	Configured for vertical measurement positions
Application test	Vertical bearing-housing 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	PR9268-201-100
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
775XD11NAWA3WK9	Related Emerson product	View 775XD11NAWA3WK9 page
098-01257-01	Related Emerson product	View 098-01257-01 page
5X00167G01	Related Emerson product	View 5X00167G01 page
PR6423-010-040-CON021	Related Emerson product	View PR6423-010-040-CON021 page
CL6821X1-A5-41B5222X422-65	Related Emerson product	View CL6821X1-A5-41B5222X422-65 page
KJ4001X1-BA3-12P3378X012 ...	Related Emerson product	View KJ4001X1-BA3-12P3378X012... page
1C31166G02	Related Emerson product	View 1C31166G02 page
EN-204-EN-204-00-000	Related Emerson product	View EN-204-EN-204-00-000 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

