

PR9268-302-100

PR9268 electrodynamic velocity sensor

CONTROLLED ENGINEERING COPY

Verify the longer eight-metre route, horizontal axis, cable support and conductor identity; commission with controlled machine speed and recorded channel response.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	PR9268-302-100
Manufacturer part	PR9268-302-100
Hardware type	Horizontal; up to 100 degC
System family	PR9268 horizontal case-seismic measurement



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01 PRE-INSTALLATION PLAN

- 1

Confirm the full PR9268-302-100 marking, horizontal 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

- A6120 case-seismic monitor
- Rigid horizontal mounting surface
- Eight-metre cable route
- Shielded field termination

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	PR9268-302-100 / PR9268-302-100 recorded
Physical interface	A6120 case-seismic monitor
Companion check	Rigid horizontal mounting surface
Functional proof	Configured for horizontal installation
Application test	Remote horizontal bearing points

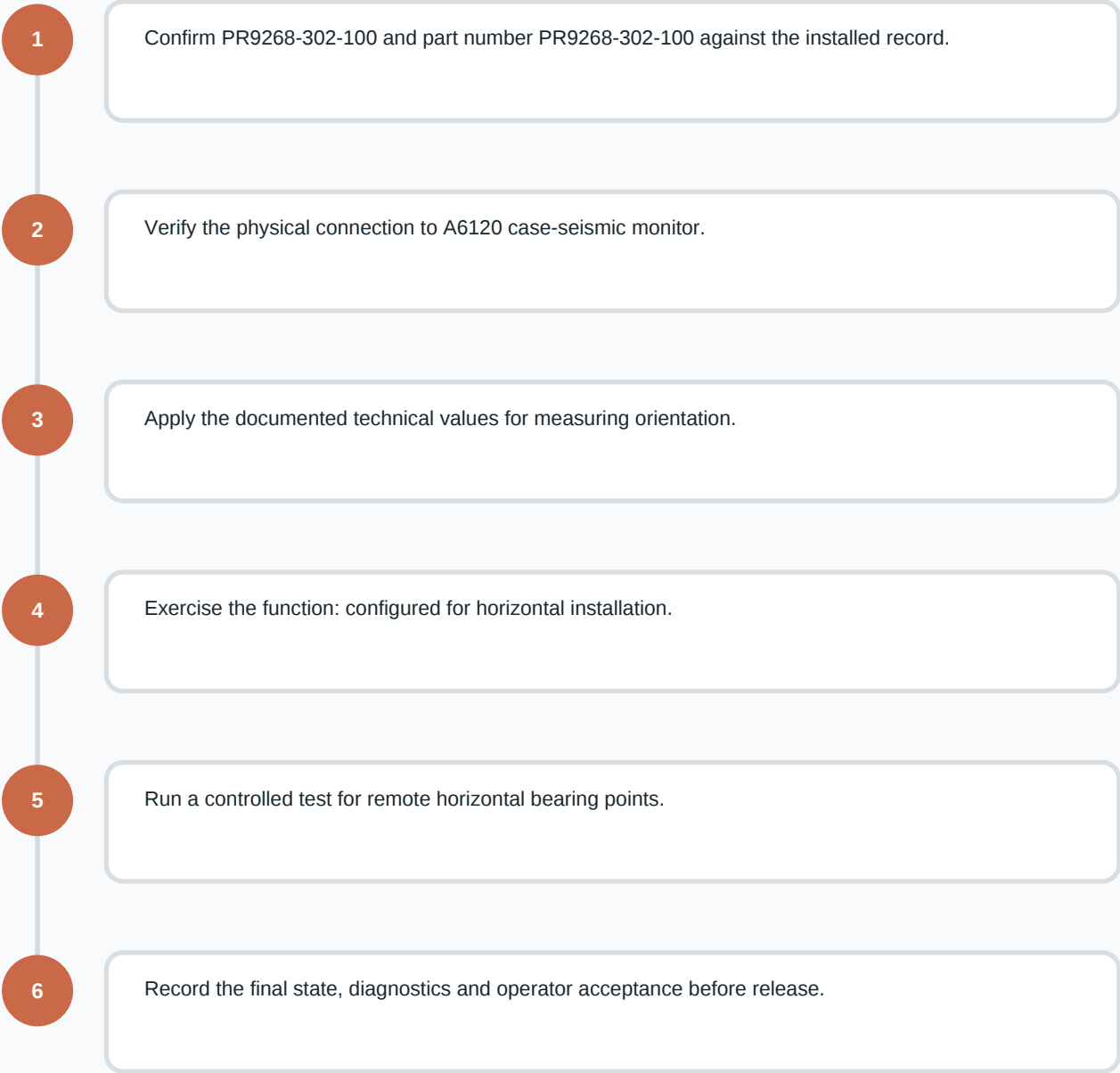
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Measuring orientation	Horizontal; 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

Verify the longer eight-metre route, horizontal axis, cable support and conductor identity; commission with controlled machine speed and recorded channel response.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	PR9268-302-100 / PR9268-302-100 recorded
Physical interface	A6120 case-seismic monitor
Companion check	Rigid horizontal mounting surface
Functional proof	Configured for horizontal installation
Application test	Remote horizontal bearing points

04 RETURN-TO-SERVICE RECORD

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

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VERIFICATION RECORD

PRODUCT IDENTITY	PR9268-302-100
INSTALLED POSITION	Documented PR9268 horizontal 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
KJ4001X1-NB1-12P3368X012	Related Emerson product	View KJ4001X1-NB1-12P3368X012 page
KJ4001X1-NA1-12P3373X012	Related Emerson product	View KJ4001X1-NA1-12P3373X012 page
KJ4001X1-CC1-12P0733X042	Related Emerson product	View KJ4001X1-CC1-12P0733X042 page
KJ3101X1-BB1-12P1866X062	Related Emerson product	View KJ3101X1-BB1-12P1866X062 page
KJ3101X1-BA1-12P1865X062	Related Emerson product	View KJ3101X1-BA1-12P1865X062 page
KJ3001X1-BH1-12P0558X152	Related Emerson product	View KJ3001X1-BH1-12P0558X152 page
KC3011X1-BA1-12P6749X042	Related Emerson product	View KC3011X1-BA1-12P6749X042 page
KC3010X1-BA1-12P6762X062	Related Emerson product	View KC3010X1-BA1-12P6762X062 page

SOURCE IDENTIFIERS

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

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