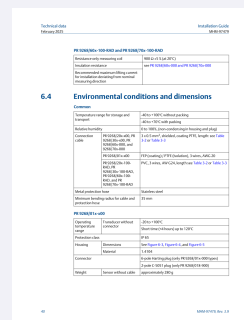


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

PR9268/207-100

electrodynamic velocity sensor



PRODUCT	PR9268/207-100
FAMILY	PR9268 electrodynamic velocity sensors
FUNCTION	electrodynamic velocity sensor
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Epro documentation. This guide supplements the complete manufacturer manual and site procedure.

01

CONFIRM THE ORDERED CONFIGURATION

Mounting direction	Vertical $\pm 30^\circ$
Sensitivity	28.5 mV per mm/s
Frequency range	4 to 1000 Hz
Natural frequency	4.5 Hz ± 0.75 Hz
Transverse sensitivity	0.13 at 110 Hz
Electrical resistance	1875 $\Omega \pm 10\%$

02

PREPARATION AND CONNECTION

- Confirm the complete PR9268/207-100 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

Technical data
February 2025

Installation Guide
MHM-97479

PR 9268/60x-100-RAD and PR 9268/70x-100-RAD

Resistance only measuring coil	900 $\Omega \pm 5\%$ (at 20°C)
Insulation resistance	see PR 9268/60x-000 and PR 9268/70x-000
Recommended maximum lifting current for installation deviating from nominal measuring direction	

6.4 Environmental conditions and dimensions

Common

Temperature range for storage and transport	-40 to +100°C without packing	
	-40 to +70°C with packing	
Relative humidity	0 to 100%, (non-condensing in housing and plug)	
Connection cable	PR 9268/20x-x00, PR 9268/30x-x00, PR 9268/60x-000, and 9268/70x-000	3 x 0.5 mm ² , shielded, coating PTFE, length: see Table 3-2 or Table 3-3
	PR 9268/01x-x00	FEP (coating) / PTFE (Isolation), 3 wires, AWG 20
	PR 9268/20x-100-RAD, PR 9268/30x-100-RAD, PR 9268/60x-100-RAD, and PR 9268/70x-100-RAD	PVC, 3 wires, AW G24, length see Table 3-2 or Table 3-3
Metal protection hose	Stainless steel	
Minimum bending radius for cable and protection hose	35 mm	

PR 9268/01x-x00

Operating temperature range	Transducer without connector	-20 to +100°C
		Short time (<4 hours) up to 120°C
Protection class	IP 65	
Housing	Dimensions	See Figure 6-3 , Figure 6-4 , and Figure 6-5
	Material	1.4104
Connector	6-pole Harting plug (only PR 9268/01x-000 types)	
	2-pole C-5051 plug (only PR 9268/018-900)	
Weight	Sensor without cable	approximately 280 g

04

COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05

CONTROLLED DOCUMENT

Official source	Emerson official manufacturer documentation
Product record	PR9268/207-100
Manufacturer	Epro
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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