

PR9268 ELECTRODYNAMIC VELOCITY SENSORS

# Product Data Sheet

## PR9268/617-100-CNS

high-temperature electrodynamic velocity sensor

| FUNCTION                                        | FAMILY                                 | ORIGIN  | WEIGHT  |
|-------------------------------------------------|----------------------------------------|---------|---------|
| high-temperature electrodynamic velocity sensor | PR9268 electrodynamic velocity sensors | Germany | 1.05 kg |

Epro PR9268/617-100-CNS is a high-temperature electrodynamic velocity sensor for the PR9268 electrodynamic velocity sensors. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                         |                                  |
|-------------------------|----------------------------------|
| Mounting direction      | Vertical $\pm 60^\circ$          |
| Sensitivity             | 22.0 mV per mm/s at pin 3        |
| Alternate sensitivity   | 16.7 mV per mm/s at pins 1 and 4 |
| Frequency range         | 10 to 1000 Hz                    |
| Natural frequency       | 8 Hz $\pm 1.5$ Hz                |
| Transverse sensitivity  | 0.10 at 80 Hz                    |
| Measurement amplitude   | 3000 $\mu\text{m}$               |
| Mechanical limit        | 4000 $\mu\text{m}$               |
| Linearity error         | <2%                              |
| Continuous acceleration | 10 g                             |

## ADDITIONAL PRODUCT DATA

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|                           |                 |
|---------------------------|-----------------|
| Intermittent acceleration | 20 g            |
| Operating temperature     | -20 to +200 °C  |
| Ingress protection        | IP65            |
| Housing                   | Stainless steel |

## OFFICIAL APPLICATIONS

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- Turbine casing vibration monitoring: Machinery Protection Systems
- Compressor train vibration supervision: Condition Monitoring Systems
- Rotating equipment vibration measurement: Plant Reliability Systems

## SYSTEM COMPATIBILITY

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Match PR9268/617-100-CNS to the installed PR9268 electrodynamic velocity sensors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## OFFICIAL SOURCES

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[Emerson official manufacturer documentation](#)

<https://www.emerson.com/en/automation-systems/asset-performance-management/machinery-health-management/ams-pr9268>

AMIKON PRODUCT SUPPORT

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