

E308 Series

Pressure Sensors

Product Selection Guide



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E308 Series Pressure Sensor



Product Introduction

ELEsenson E308 pressure sensor adopts high-precision sensing technology, capable of real-time and accurate monitoring of liquid or gas pressure changes. Its robust design is suitable for various harsh industrial environments, ensuring long-term stable operation. The ELE pressure sensor features outstanding anti-interference capability and a wide measuring range, widely applied in industrial automation, hydraulic systems, process control and other fields, providing reliable pressure monitoring and control solutions for systems.

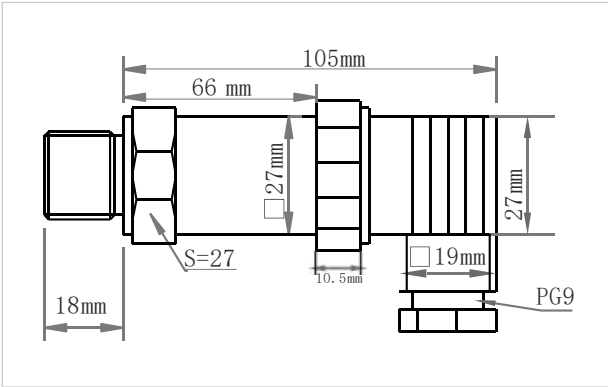
Features

- Diaphragm isolation technology
- Integrated chip, wide voltage power supply
- Compact structure, easy installation
- Frequency design, strong anti-interference capability
- Current limiting, voltage limiting, reverse connection protection (for current output)

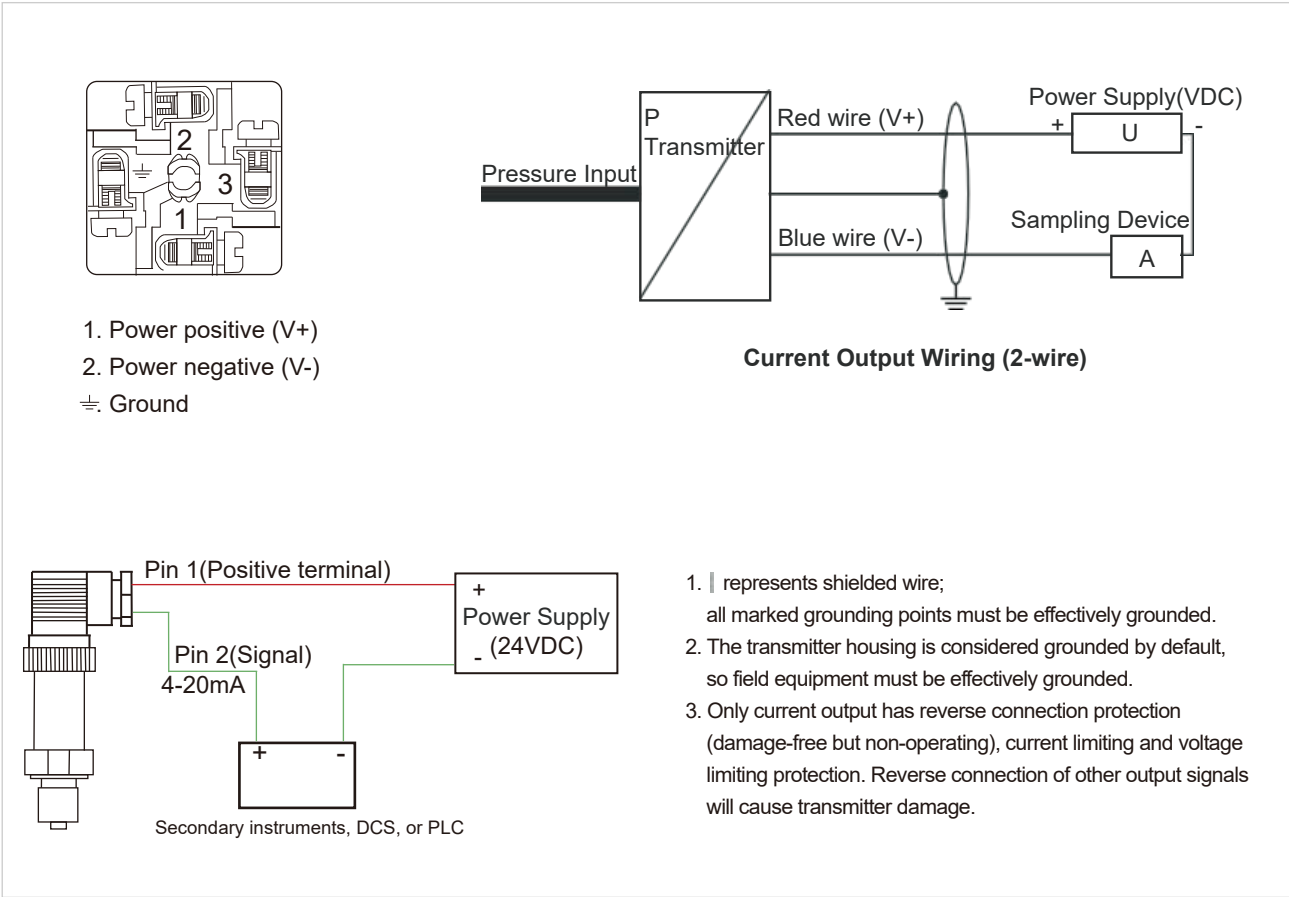
Specifications

Item	Specifications
Med.	Liquid/gas (compatible w/ wetted materials)
Material	Diaphragm:316L SS(contact) Process conn:304 SS(contact)
	Housing:304 SS Seal:Nitrile rubber(contact) Hirschmann conn:ABS plastic
Press. Range	0-0.6~2.5MPa
Press. Type	Gauge press.
Output	4~20mA, RS485 (Modbus-RTU)
Supply V.	8-30VDC
Acc. Class	0.5%FS
Oper. Cond.	Med. temp:20~80℃; Amb. temp:20~85℃
	Humidity:0~95%RH(non-condensing)
Temp. Comp.	10~70℃
Shock Res.	10g (20~2000Hz)
Overload	200%FS
Resp. Freq.	Analog:10-2400Hz
	Digital:10-40Hz
	Stability:±0.2%FS/yr
Temp. Drift	±0.02%FS/℃ (within comp. range)
Weight	≈190g
IP Rating	IP65
	Note: IP rating valid with full wiring; Current type ≤0.02Us(W); Digital ≤0.015Us(W), Us=supply voltage
Load Char.	Current load ≤{(Us-7.5)÷0.02}Ω (Us=supply voltage)

Dimension Drawing



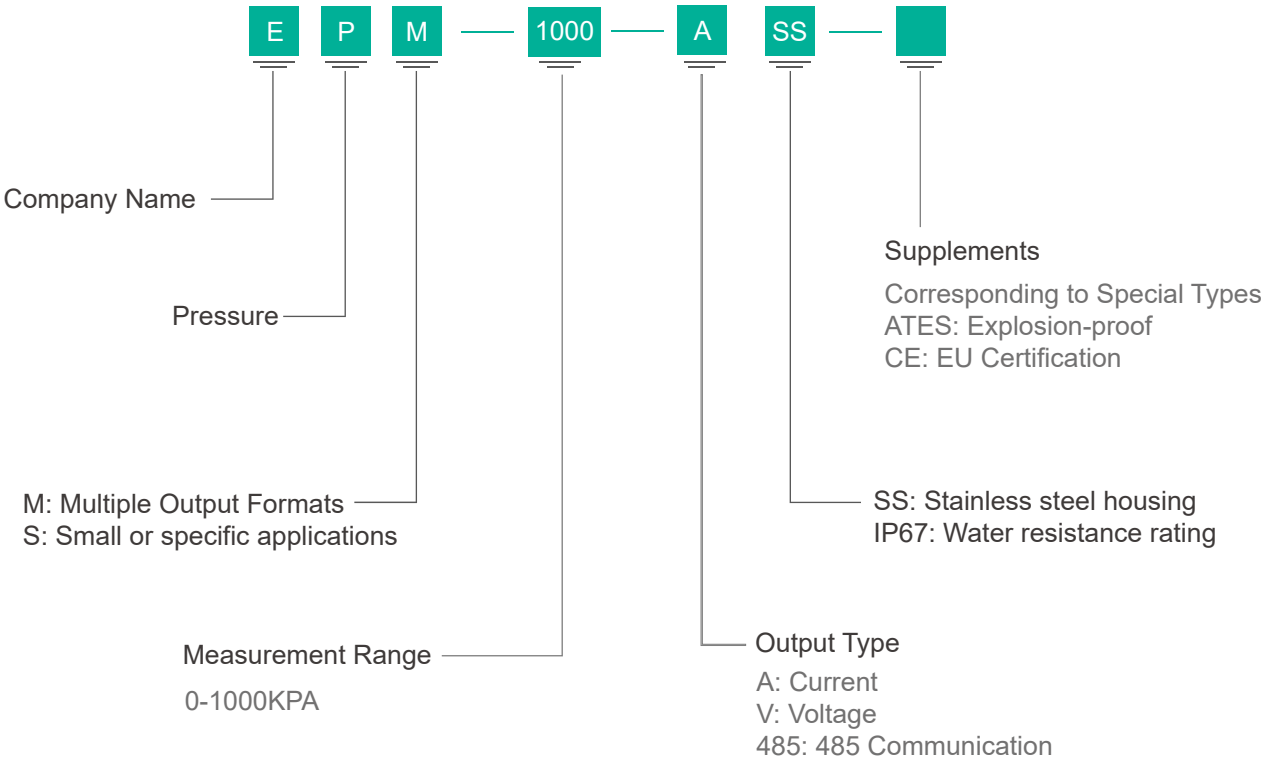
— Wiring Diagram



— Application Fields



— Product Model Coding Rule



COMPANY PROFILE



ELEsenson focuses on R&D, manufacturing and sales of sensors. We have a high-caliber, innovative technical team. Pursuing continuous technical improvement, we deliver high-performance, reliable sensor products for customers.

Our broad product portfolio covers multiple industries including industrial automation, smart home and automotive electronics. Our products are well-received for precise measurement, stable performance and outstanding durability.

During production, strict quality-control procedures guarantee premium quality for every unit leaving our factory. We maintain close cooperation with customers, deeply understanding requirements and delivering customized solutions for special-scenario demands.

ELEsenson regards innovation as core driving force. Continuous investment in R&D and product upgrades. With professional teams, premium products and thoughtful service, Zhejiang ELEsenson Sensors has built solid reputation in the industry, contributing technical strength to the advancement of multiple sectors.

■ Corporate Culture

— Vision

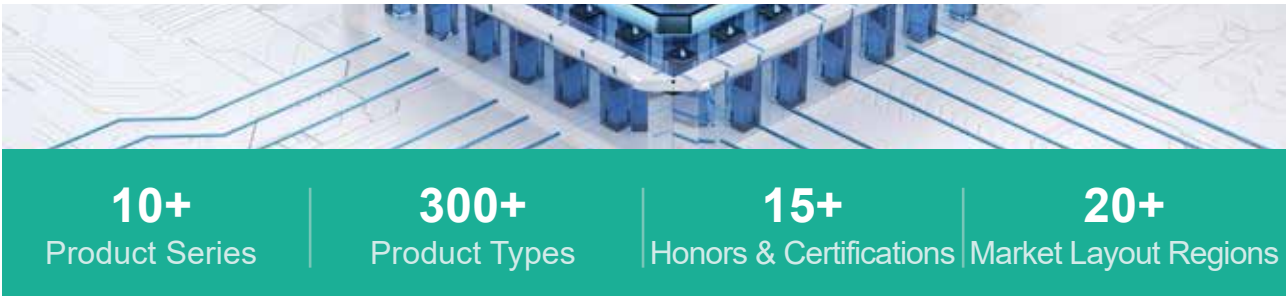
Uphold conviction, reach new heights of sensor-technology development.
Build a globally-leading sensor enterprise and lead industry progress through technological innovation.

— Mission

Drive development through innovation, win trust by quality.
Supply precise,stable,durable and reliable sensor products plus customized solutions for industrial automation, rail transit, automotive electronics and other industries.

— Core Values

Customer-Oriented, Integrity-Based, Innovation-Driven, Quality-First.
We are customer-demand oriented, operate with integrity, pursue innovation and strive for superior product & service quality.



CORE ADVANTAGES

- Professional & Efficient Team

Experienced and skilled personnel providing high-quality service & technical support.
- Strong R&D Capability

Advanced R&D equipment & specialist team to develop innovative, competitive products.
- Complete After-Sales Support System

Timely response to customer requests, comprehensive technical support & solutions to maximize customer satisfaction.



HONORS AND QUALIFICATIONS



Brief Product Catalog | English Version | Issue 1, 2025

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