



DVS-PR710 Ex

Apex Pressure Transmitter

Serving as the industry's golden standard for explosive atmosphere pressure measurement, the DAVISOL DVS-PR710 Ex features an all-welded stainless steel construction and is ATEX authorized. Engineered for high precision, flawless long-term stability, and unyielding performance in the harshest environments, it withstands extreme vibration, moisture, and potential explosive hazards.



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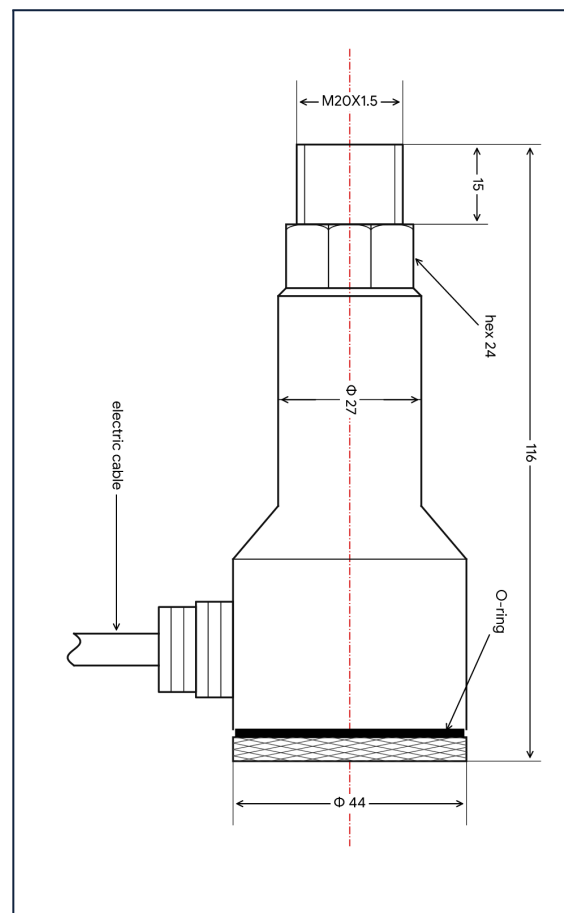


Some Product Applications

- Oil & gas line monitoring
- Chemical plant process control
- Hazardous pipeline tracking
- Underground mining hydraulics
- Industrial compressor feedback
- Turbine hydraulic systems
- Pumping station pressure control
- Refinery SCADA integration

Principle and Characteristics

Certified Explosion-proof (Exia II CT6 and Exd II BT4) for inherently safe operations, this transmitter utilizes an all-welded SUS304 housing with a SUS316L diaphragm and Viton O-ring. It features advanced mildew-proof and moisture-proof sealing for tropical deployments, alongside robust anti-vibration (10~500Hz 25g) and anti-jamming characteristics built inside a compact, high-strength footprint. .



Technical Specifications

Category	Parameter	Specification
Measurement	Pressure Type	Gauge pressure, Absolute pressure, Sealed gauge pressure
	Measuring Medium	Liquid, gas, and vapor compatible with SUS304 / SUS316L
	Pressure Range	0.1 to 60 MPa (Customizable up to 600 bar / 8000 psi)
	Overload & Burst	Overload: 200% FS Bursting: 300% FS
	Accuracy & Stability	±0.5% FS (typical) @ 25°C Long-term stability: ±0.2% FS/Year
Electrical	Power Supply	9~36 VDC
	Output Signals	4~20mA (2-wire), 0~5V / 1~5V (3-wire)
Environmental	Operating Temperatures	Ambient: -40 to 85°C Medium: -40 to 125°C
Mechanical	Vibration & Shock	Vibration: 10~500Hz 25g Shock: 50g 11ms

A full suite of operational accessories, including intrinsic safety barriers, armored cables, 2-way and 3-way process manifolds, and thread adapters (M20x1.5, G1/2, NPT), is available through DAVISOL.

R&D and Customization

At **DAVISOL**, we recognize that standard off-the-shelf transmitters cannot satisfy every industrial process line. Our R&D engineering team provides custom configurations of the DVS-PR710 Ex tailored to your mechanical and process requirements.

From exotic wetted materials (such as Hastelloy or Monel) for corrosive media to non-standard pressure ranges, specialized electrical interfaces, and compact OEM housings, we engineer hardware solutions for demanding installations.

DAVISOL — Engineering that delivers.