

STAINLESS STEEL PRESSURE TRANSMITTER

with Hirschmann Connector

PRESSURE TRANSMITTER
FOR DEMANDING INDUSTRIAL
APPLICATIONS

ETRANS – P01 Hrisman Datasheet



Precise Measurement,
Ultimate Control

Pressure Transmitter

MODEL Etrans- P01



Application Areas

Critical industrial applications
Demanding applications in research and development
Harsh environments in the process industry

Features

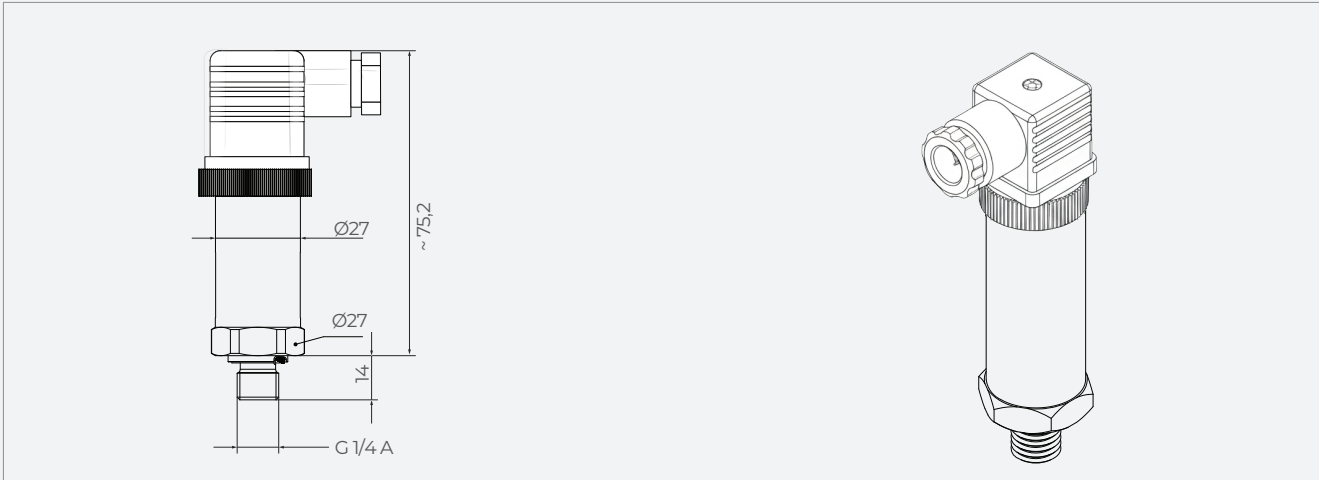
- Extreme variety, available at short notice from 1 piece
- High accuracy, low temperature error, selectable adjustment temperature
- Proven technology
- Special media and special versions

Description

The Enelsan Etrans-P01 pressure transmitter is a high-performance specialist designed to deliver precision and reliability in the most demanding industrial environments. Engineered for versatility, it covers extensive measuring ranges from 0 ... 0.4 to 0 ... 1,600 bar, offering over a billion possible configurations with various output signals and process connections to meet specific application needs. Built to withstand extreme temperatures, vibrations, and aggressive media, the Etrans-P01 ensures long-term stability with a durability of up to 100 million load cycles. Its advanced design minimizes temperature errors through selectable adjustment settings, making it the ideal choice for critical processes requiring superior accuracy and robust protection, including IP68 and IP6K9K rated versions.



Structure



Pressure Range (BAR)	Min. -1 / Max. 2000
Overload (BAR)	F.S × 2

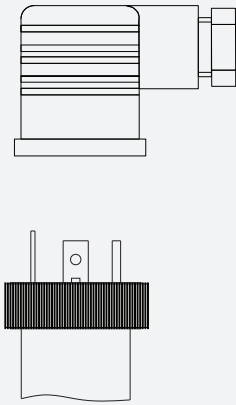
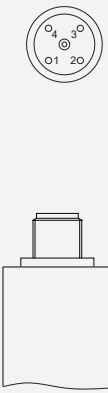
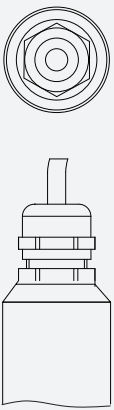
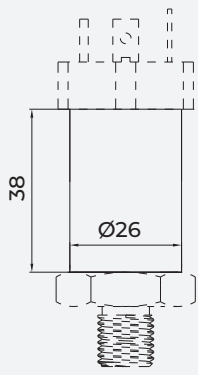
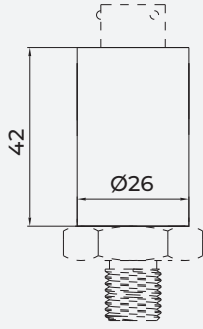
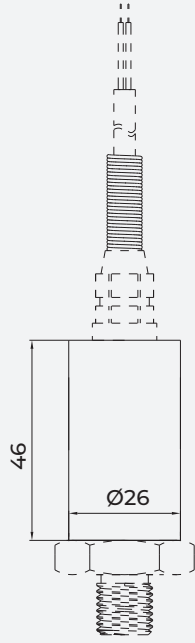
— TECHNICAL FEATURES

Working Principle	Measuring Principle	Piezoresistive Measuring Cell
Inputs	Measurement Variables	Relative and Absolute Pressure
	Measuring Range	Max. 2000 BAR
Outputs	Current Output	4–20 mA / 4–20 mA + HART / Optional 0–10 V (U = 10 V) / 0.02 A
	Load	(U–10 V) / 0,02 A
Precision	Accuracy	Full Scale ≤ %0,2
	Zero Point	±0,2 mV/V
Temperature Effect	Zero	±0,02 % FS / K
Operating Conditions	Operating Temperature	–40° ~ 135°C
	Ambient Temperature	–25° ~ 85°C
	Protection Class	IP65
Power Supply	Power Supply Voltage	10...36 VDC
Materials	Sensor	Stainless Steel 316L, Ceramic
	Process Connection	Stainless Steel 316L, Hastelloy C, other materials
	O-Ring	Viton
	Outer Box	Stainless Steel 316L
	Terminal	Plastic
Process Connections		G 1/4", G 1/2", G 1/2" flush, clamp, flange, and others
Size and Weight	Weight	Approximately 0.25 kg
	Size	Ø 27 × mm

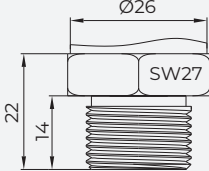
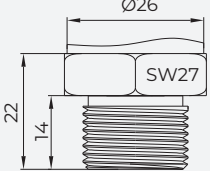
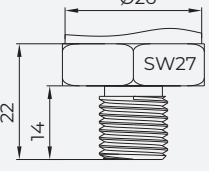
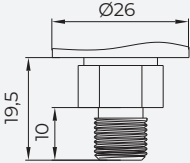
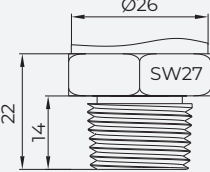
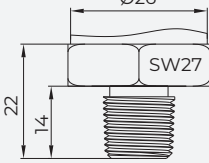
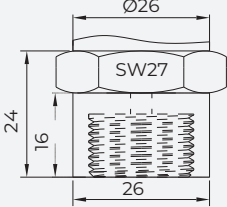
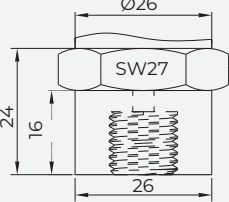
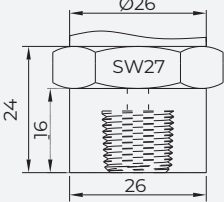
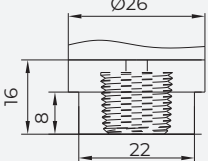
Pressure Transmitter
MODEL Etrans- P01



Electrical interface

P01	P05	P04
 DIN43650 (standard)	 circular connector with 4 pins	 PVC cable Ø 5mm - 2 wires for current loop - 3 wires for voltage output - cable length (L) should be specified
Electronics housing (casing)		
		

MECHANICAL CONNECTION

	M20x1.5	G1/2	G1/4
Dimensions (mm)			
	G1/8	NPT1/2	NPT1/4
Dimensions (mm)			
	Clamp		G1/2"(F) M20 x 1.5(F)
Dimensions (mm)			
	G1/4"(F)	1/4NPT(F)	1/4NPT(F)
Dimensions (mm)			

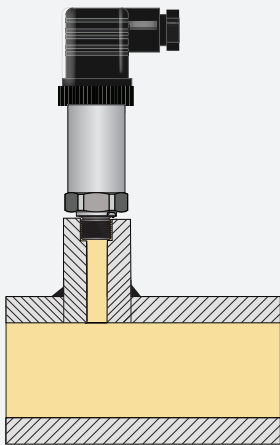
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Mounting Method

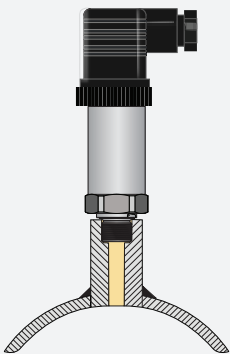
Pipeline installation

90°



Pipeline installation

90°



Contact us

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