

PRESSURE TRANSMITTER

WITHOUT GAUGE

ETRANS – PX7 PRESSURE TRANSMITTER Datasheet

Precise Measurement,
Ultimate Control

www.enelean.com



Pressure Transmitter

MODEL Etrans- PX7



Application Areas

Hydraulic systems
Oil & gas industry
Process industry
Water and wastewater systems
Industrial automation
Tank and pipeline monitoring

Features

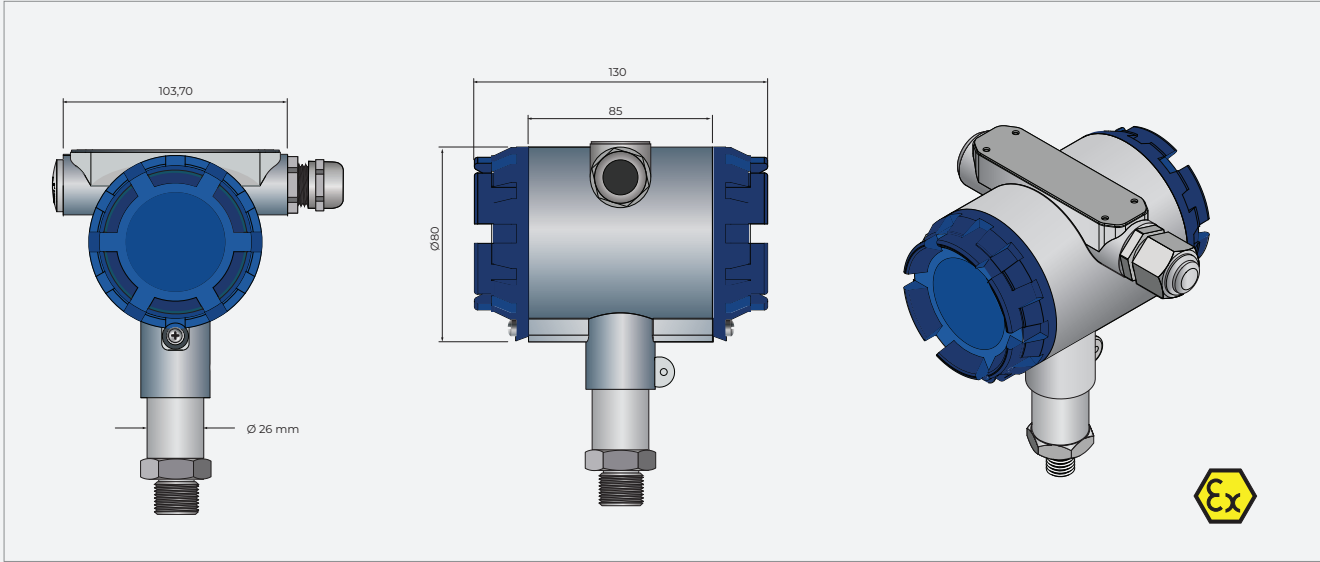
- Wide pressure range up to 2000 bar
- 4–20 mA (standard), HART communication (optional)
- High accuracy up to $\pm 0.2\%$ FS
- Supports gauge and absolute pressure measurement
- Piezoresistive sensing technology
- On-site configuration via push buttons
- High overpressure resistance ($2 \times$ FS)
- Robust aluminum housing
- Wetted parts in Stainless steel
- High temperature resistance (up to 80°C process)
- Protection class IP67
- Wide supply voltage range (10...36 VDC)
- Multiple process connection options (thread, flush, clamp, flange)
- Excellent long-term stability

Description

The Enelsan Etrans-PX7 Pressure Transmitter is designed for precise and stable pressure measurement in industrial applications, particularly within hazardous environments. Fully ATEX certified, the device utilizes piezoresistive sensing technology and supports both gauge and absolute pressure measurement. It provides a standard 4–20 mA analog output with HART communication protocol. Featuring an explosion-proof design, the transmitter is constructed with a robust aluminum housing and 316L stainless steel wetted parts, ensuring maximum safety and durability in explosive atmospheres. With an accuracy of up to $\pm 0.2\%$ FS, high overpressure resistance, and excellent long-term stability, the Etrans-PX7 ensures reliable performance under the harshest operating conditions.



Structure



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

TECHNICAL FEATURES

Measuring Principle	Piezoresistive
Measurement Type	Gauge / Absolute Pressure
Measuring Range	Max. 2000 BAR
Current Output	4-20 mA / 0-10V
Accuracy	≤ ±0.2% FS
Zero Point	±0,2 mV/V
Temperature Effect (Zero)	±0,02 % FS / K
Output Signal	4-20 mA + HART (standard)
Supply Voltage	10...36 VDC
Electrical Connection	M20x1.5
Process Temperature	-40°C ... +80°C
Protection Class	IP67
Housing Material	Aluminum
Process Conn.Material	Stainless Steel
Sealing	Viton /NBR
Process Connection	Thread, flush, clamp, flange
Dimensions	Ø26mm
ATEX Classification	II 1/2G Ex db IIC T6...T1 Ga/Gb II 2D Ex tb IIIC T85°C...T200°C Db (Zone 0, Zone 1, Zone 2)

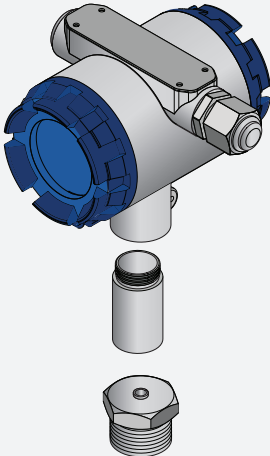
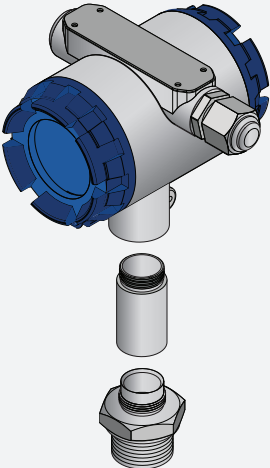
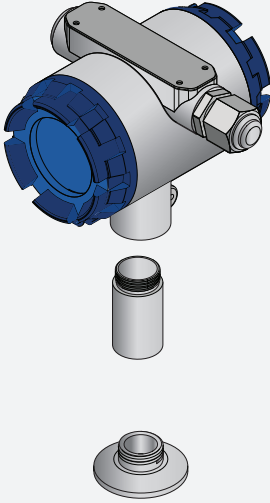
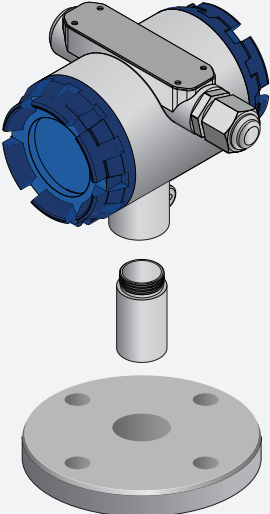
Pressure Tranmitter
MODEL Etrans- PX7



MECHANICAL CONNECTION

Dimensions (mm)			
Connection Types	 Thread		 Thread
	 Clamp	 Fush	 Flange

OTHER CONNECTION METHODS

	
Thread	Push
	
Clamp	Flange

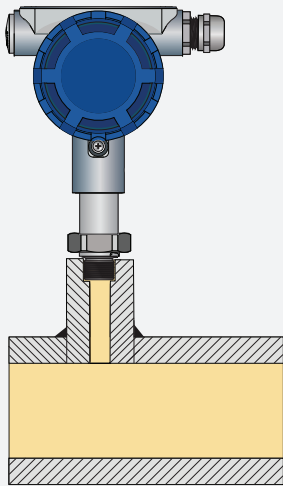
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Mounting Method

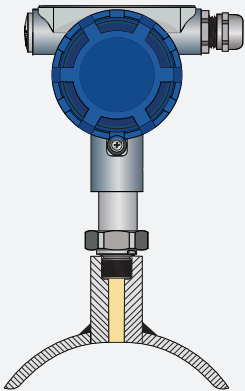
Pipeline installation

90°



Pipeline installation

90°



Contact us

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