

PRESSURE TRANSMITTER

WITH GAUGE

ETRANS – PX8 PRESSURE TRANSMITTER Datasheet

Precise Measurement,
Ultimate Control

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Pressure Transmitter

MODEL Etrans- PX8



Application Areas

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

Features

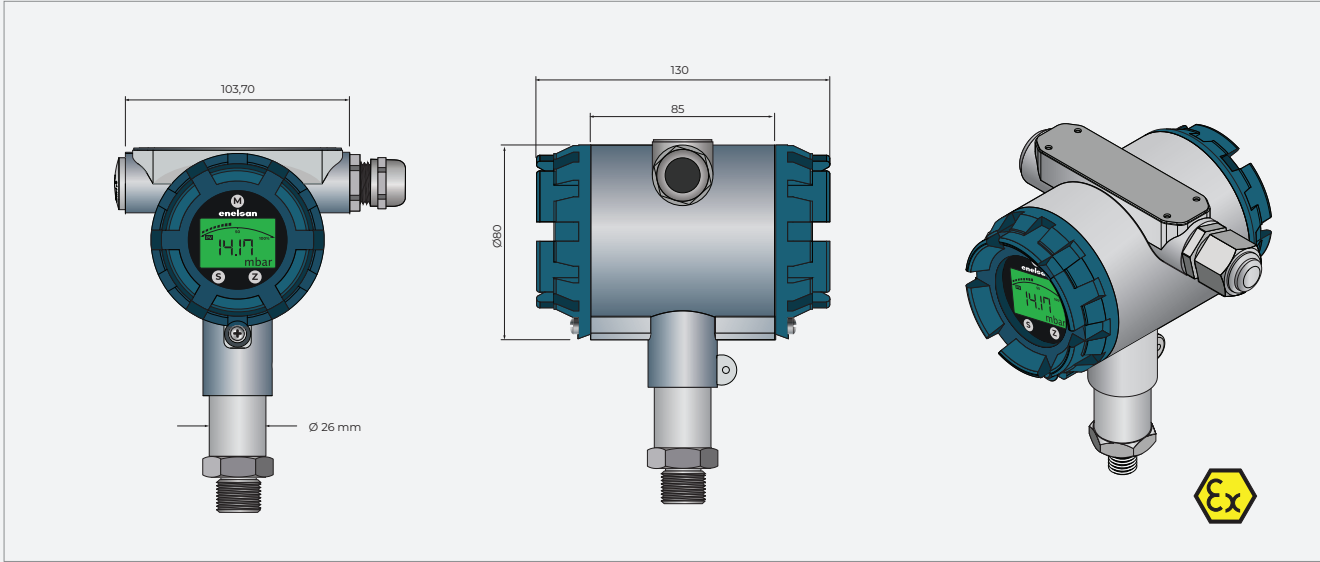
- Wide pressure range up to 2000 bar
- Integrated backlit LCD display for local indication
- 4–20 mA (standard), HART communication (optional)
- High accuracy up to $\pm 0.2\%$ FS
- Supports gauge and absolute pressure measurement
- Piezoresistive sensing technology
- On-site configuration via push buttons
- 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-PX8 LCD Display Pressure Transmitter is designed for precise and stable pressure measurement in industrial applications, featuring an integrated backlit LCD for local indication and parameter configuration. 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. The transmitter is constructed with a robust aluminum housing and 316L stainless steel wetted parts, ensuring durability in demanding environments. With an accuracy of up to $\pm 0.2\%$ FS, high overpressure resistance, and excellent long-term stability, the Etrans-PX8 ensures reliable performance under harsh operating conditions.



Structure



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

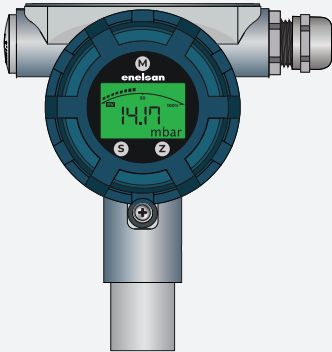
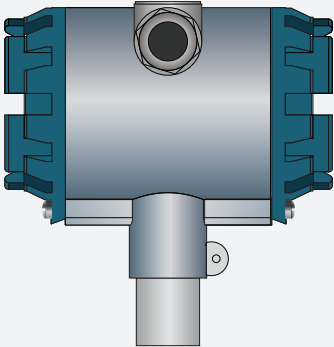
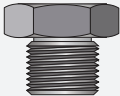
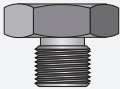
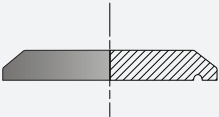
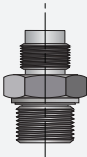
TECHNICAL FEATURES

Measuring Principle	Piezoresistive
Measurement Type	Gauge / Absolute Pressure
Measuring Range	Max. 2000 BAR
Current Output	4–20 mA / 4–20 mA + HART / Rs485
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)

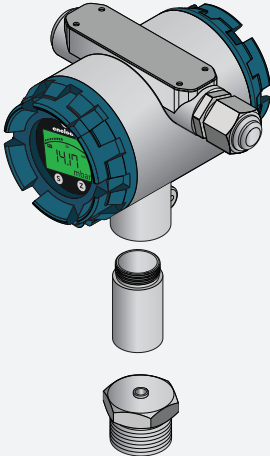
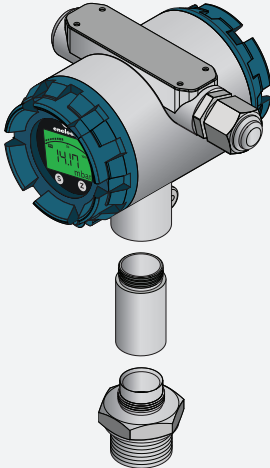
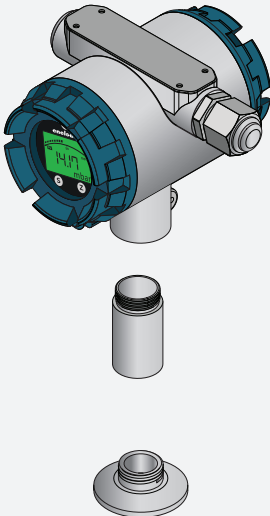
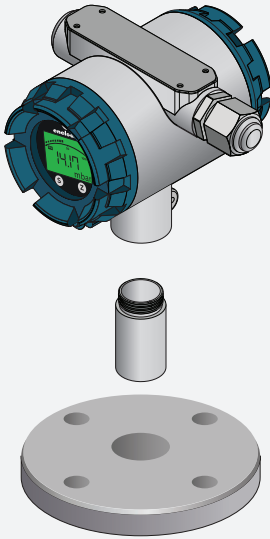
Pressure Tranmitter
MODEL Etrans- PX8



MECHANICAL CONNECTION

Dimensions (mm)	 		
Connection Types	 Thread		 Thread
	 Clamp	 Fush	 Flange

OTHER CONNECTION METHODS

	
Thread	Push
	
Clamp	Flange

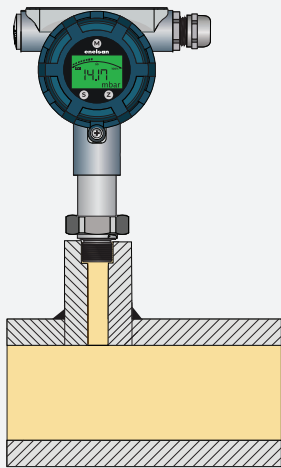
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Mounting Method

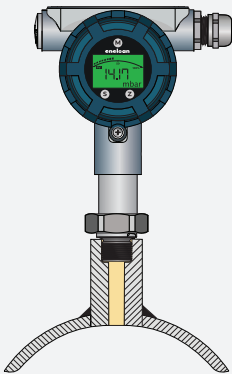
Pipeline installation

90°



Pipeline installation

90°



Contact us

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