



DP *harp* EJX™

A measure of Yokogawa's innovation, foresight and commitment to the industry. In the new compact design, you will find everything you need and more. The Digital Evolution Continues.



EJX110A
Differential Pressure Transmitter



■ Multi-function LCD

EJX, Excellence In Design

Xcellent performance

The heart of the EJX series is a high accuracy silicon resonant pressure (*harp*) sensor with a design that provides superior over-pressure protection and minimizes the effect of temperature and static pressure changes. This sensor offers the unsurpassed accuracy and unmatched long-term stability. Excellent quality and performance for improved plant performance and product quality.

Xceptional functionality

Not just another DP transmitter. The EJX Differential Pressure transmitter accurately measures both the Differential Pressure and Line Pressure simultaneously. They both can be monitored via digital communication and displayed on the new multi-functional LCD indicator. Multi-sensing technology will change your instrumentation.

Xtraordinary user interface

This compact design is packed with all the features you value most and many new ones you will come to rely on. The large indicator has a bar-graph and digital readout that clearly displays the most important process variables. Various diagnostic functions with clear text message help to validate your most important process information easily and precisely.

TÜV Certified Transmitters
for use per SIL 2 (single use)



Bulletin 01C25A01-01E

Pressure

Flow

Temperature

Valve Positioner

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Specifications For detailed specifications, please refer to each reference document.

Model	Differential Pressure Transmitter EJX110A		
Capsule	L capsule	M capsule	H capsule
Measurement Range	-10 to 10 kPa (-40 to 40 inH ₂ O)	-100 to 100 kPa (-400 to 400 inH ₂ O)	-500 to 500 kPa (-2000 to 2000 inH ₂ O)
Measurement Span	0.1 to 10 kPa (0.4 to 40 inH ₂ O)	0.5 to 100 kPa (-2 to 400 inH ₂ O)	2.5 to 500 kPa (10 to 2000 inH ₂ O)
Maximum Working Pressure	16 MPa (2300 psi)		25 MPa (3600 psi)
Accuracy	±0.04% of span		
Stability	±0.1% of URL per 10 years		
Reference Document No.	GS 01C25B01- 01E		

Model	Gauge Pressure Transmitter EJX430A		
Capsule	H capsule	A capsule	B capsule
Measurement Range	-100 to 500 kPa (-400 to 2000 inH ₂ O)	-0.1 to 3.5 MPa (-14.5 to 500 psi)	-0.1 to 16 MPa (-14.5 to 2300 psi)
Measurement Span	2.5 to 500 kPa (10 to 2000 inH ₂ O)	0.0175 to 3.5 MPa (2.5 to 500 psi)	0.08 to 16 MPa (12 to 2300 psi)
Over Pressure Limits	16 MPa (2300 psi)		25 MPa (3600 psi)
Accuracy	±0.04% of span		
Stability	±0.1% of URL per 10 years		
Reference Document No.	GS 01C25E01- 01E		

Common Specifications	
Output signal	4 to 20 mA DC, two-wire transmission with digital communication (BRAIN or HART protocol)
Power supply	16.6 to 42V DC
Integral Indicator(optional)	LCD digital indicator, including 5-digit numerical display, 6-digit 16-segment unit display, bar-graph
Transmitters diagnostic functions	Amplifier error, Capsule error, Configuration error, Ambient temp. alarm, Pressure/Static pressure alarm

NOTICE Before operating the product, read the user's manual thoroughly for proper and safe operation.

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What does **vigilance**™ mean to Yokogawa? For starters, always, always making sure the products and solutions that leave our research & development labs are the best the world has seen -- from day one throughout your business life cycle. Our innovative technologies and committed experts help design, install and manage your production systems efficiently and dynamically. In an ever-changing business environment, we help plan for the future to ensure continuity and flexibility in your automation strategies. Yokogawa goes the extra mile to do things right. Let us be vigilant about your business.

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Represented by: