

General Specifications

GS 01C25V01-01EN

EJX110A, EJX130A, and EJX110B
Differential Pressure Transmitters
High Damping Capsule
(Option Code: /HD)



Outline

EJX110A, EJX130A, and EJX110B with option code /HD offer stable measurement by employing capsule structure which offers damping function in the process where measurement may be affected by excessive pulsation, e.g. flow measurement near the boiler feed pump.

In this General Specifications, only the specifications that are affected by applying /HD are stated. For other specifications which remain unchanged, please refer to the General Specifications of each model.

- EJX110A GS 01C25B01-01EN
- EJX130A GS 01C25B04-01EN
- EJX110B GS 01C27B01-01EN

Features

- Capsule structure to absorb steep change of pressure
- Response time: 1300 ms (M capsule at 23°C, EJX110A and EJX130A)
- High performance, high stability and high reliability is similar to standard model. Multi-sensing function is also available.

Option Code and Applicable Suffix Codes

Description	Code
High damping capsule	/HD

Applicable Codes:

- Measurement span code M and H
- Wetted parts material code S
- Option code /K2, /K3, and /K6 are not applicable.
- For EJX110A, option code /PE3 and /T13 are not applicable.

Difference in Specifications

Response time:

- EJX110A and EJX130A:

Capsule	Process temperature	
	23°C	0°C
M	Approx. 1300 ms	Approx. 2200 ms
H	Approx. 400 ms	Approx. 600 ms

When amplifier damping time constant is set to 0.00 s. (Including dead time approx. 45 ms)
Amplifier damping time constant is adjustable from 0.00 to 100.00 s by software and added to response time.

Update time: 45 ms

Note that response time shall become longer as the process temperature decreases.



EJX110A



EJX130A



EJX110B

- EJX110B:

Capsule	Process temperature	
	23°C	0°C
M	Approx. 1350 ms	Approx. 2250 ms
H	Approx. 450 ms	Approx. 650 ms

Includes dead time of 100 ms.

Note that response time shall become longer as the process temperature decreases.

Process Temperature:

0 to 120°C (Other option codes may affect limit.)

Weight:

- EJX110A: 3.7 kg (Same as measurement span code F)
- EJX130A: Same as standard
- EJX110B: 5.8 kg (Same as measurement span code F)

Maximum Pressure Limits (MWP):

- EJX110A: 16 MPa
- EJX130A and EJX110B: Same as standard

External Dimensions:

- EJX110A and EJX110B: Same as Measurement span code F
- EJX130A: Same as standard