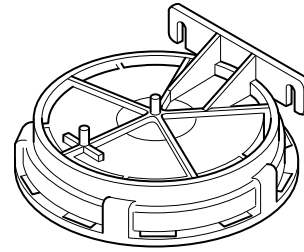


Differential or Static Pressure Transmitters

The 2323-5xx Series differential or static pressure transmitters have been designed to sense differential or static pressure across fans, coils, filters, or between two reference points and to transmit a 3 to 15 psig signal to controlling and indicating devices such as receiver controllers, receiver gages, and sensitive pressure switches.

These devices are one-pipe transmitters which require an external restrictor in the supply line. Their design features pneumatic feedback, which ensures accuracy and stability over the entire operating range. Mounting ears are provided for strain-free mounting on ducts or other flat surfaces.



Features:

- Permits remote readout and control of differential or static pressure of air.
- Five different ranges permit proper match of transmitter range to various applications.
- Ball-in-seat pneumatic feedback ensures linearity and responsiveness.
- Field-adjustable "zero".

Model Chart

Model No.	Replaces Model No.	Range W.C. (Pa)
2323-505	P323-0025	-0.05 to +0.20 in. (-12.45 to 49.8)
2323-503	P323-01	-0.5 to +0.5 in. (-124.5 to 124.5)
P323-101	—	0 to 1 in. (0 to 249)
2323-500	P323-03	0 to 3 in. (0 to 747)
2323-504	P323-10	0 to 10 in. (0 to 2490)

Specifications

Control action	Direct, proportional.
Pressure output	3 to 15 psig (20.7 to 103.5 kPa) for stated span.
Environment	
Maximum ambient temperature	140°F (60°C).
Locations	Avoid areas with excessive vibration or corrosive materials.
Supply air pressure	
Nominal	20 psig (138 kPa).
Maximum	30 psig (207 kPa).
Connections	Nipples for 1/4 in. O.D. polyethylene tubing except LO and HI ports which require 3/8 in. O.D. polyethylene tubing.
Main air consumption	27.7 scim (7.5 mL/s).

2323-5xx Series

Specifications (Continued)

Air capacity	48 scim.
Calibration	Factory set.
Mounting	Transmitter must be mounted in a horizontal position with the correct side up.
Dimensions	5-9/16 H x 5-5/16 W x 2-11/16 D in. (141 x 135 x 69 mm).
Weight	0.5 lb (227 g).

Accessories

Part Number	Replaces Model	Description
2422-001	A251-1	2-1/2 in. gauge.
2422-002	A252	3-1/2 in. gauge.
2422-003	A253-12	2 in. gauge.
AP-302	—	Static pressure sensing tip — 1/4 in. O.D. tubing.
AP-305	—	Static pressure sensing tip, 1/8 in. pipe thread.
20-944	N4-32	Restrictor tee for copper tubing.
21-038	N100-0010	Restrictor tee for polyethylene tubing.
21-153	N100-2501	In-line restrictor.

Receiver Gauge Overlays

Model No.	Description
2890-001	2 in. overlay kit.
2890-002	2-1/2 in. overlay kit.
2890-003	3-1/2 in. overlay kit.

Typical Applications

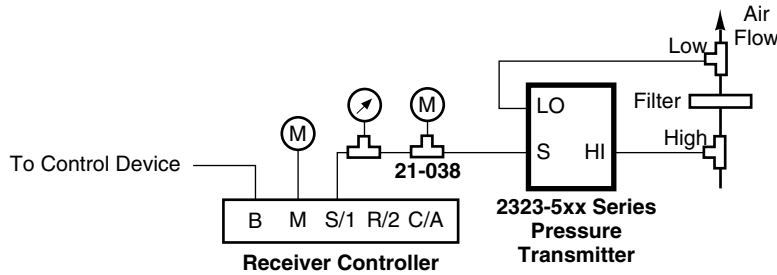


Figure 1 Differential Pressure Transmitter Application.

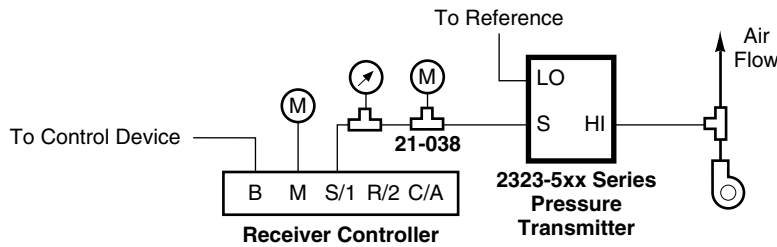


Figure 2 Static Pressure Transmitter Application.