

ST 3000 Smart Transmitter Release 300 and Smart Field Communicator Model STS103 (Transmitter Model STD110)

34-ST-99-21
04/03

Addendum (to Installation Guide 34-ST-33-39C)

Overview

Replacement Meterbody and Heads for Model STD 110

The ST 3000 Pressure Transmitter (Model STD110) is now being shipped with newly designed meter body and process heads. If a replacement meter body is needed, it should be ordered from the Model Number stated on the meter body nameplate. This meter body replacement number will start with STD110S-xxx...

This new transmitter is functionally identical to previous models, with the same specifications and intended applications (Draft Range: 10" H₂O [25 mbar]).

The new version, which will continue as Model STD110, differs only in the physical size and form of the meter body, process head, and associated components.

Installation, operation, maintenance, calibration, and troubleshooting tasks remain virtually the same as for the previous version. Differences appear primarily in torque specifications when replacing meter bodies, and in part numbering and part recognition when replacing components or assemblies.

As an aid in parts recognition, a drawing of the newer style Meter Body, Heads, and Flange Adapters is given in Figure 1 of this addendum. (The flanges on the Process Heads and the Flange Adapters have an angular profile, compared to those on the previous style, which are approximately elliptical in profile.)

For parts details, refer to 34-ST-99-18, Addendum to 34-ST-25-14B.

With exceptions noted in this addendum, information given in Installation Guide 34-ST-33-39C applies also to the newer style.

Related Publications

This addendum provides details for parts replacement that span a variety of applications of the Model STD110. For additional information, refer also to the appropriate publications.

ST 3000 Smart Transmitter
Release 300 and Smart Field Communicator STS103
User's Manual
34-ST-25-14B

ST 3000 Smart Transmitter
Series 100 Differential Pressure Models
Specification and Model Selection Guide
34-ST-03-60

Dimension Drawings

The following table contains references to dimension drawings for the newly designed STD110, which are highlighted in ***bold italics***. If you need a copy of a drawing, please determine the appropriate drawing number from the following table and contact your Honeywell representative.

Dimension Drawings - Series 100 and Series 900

Transmitter Type and Key Number	Table Selections	Mounting				Drawing Number
		Angle Bracket (MB), (SB)		Flat Bracket (FB)		
		Vertical Pipe	Horizontal Pipe	Vertical Pipe	Horizontal Pipe	
<i>Differential Pressure</i>						
STD110 (Revision S or greater)	See Key Number Column	<i>51452896</i>		<i>51452894</i>		←
			<i>51452895</i>		<i>51452893</i>	←
*STD125	–	Tank HTG				30756435-000
STD904, STD924, STD930, STD974	Table I - C, D, G, H, K, L	51500357		51500355		←
			51500356		51500354	←
STD924, STD930	Table I - A, B, E, F, J	X		X		
			X		X	
		Angle Bracket (MB), (SB)		Flat Bracket (FB)		Drawing Number
Vertical Pipe	Horizontal Pipe	Vertical Pipe	Horizontal Pipe			
STD110 (Revision S or greater)	M4AV1	<i>51452886</i>	<i>51452888</i>	<i>51452890</i>	<i>51452892</i>	←
	M4TV1	<i>51452885</i>	<i>51452887</i>	<i>51452889</i>	<i>51452891</i>	←
STD924, STD930	M4AV1	51500431	51500433	51500435	51500437	←
	M4TV1	51500430	51500432	51500434	51500436	←
STD904, STD924, STD930, STD974	M4AV1	51500442	51500440	51500444	51500438	←
	M4TV1	51500443	51500441	51500445	51500439	←