

Design Change Notification

Date: January 5, 2020

Document #: DCN-132 — Transmitter Change on Trifecta models (Yokogawa)

Subject: Effective April 1, 2021, all models of the Trifecta® Laser Assist Gas System will be changing from the current Rosemount Pressure and Differential Pressure Transmitters to Yokogawa Transmitters.

Background: Chart Inc. has made the decision to change from Rosemount transmitters on the Trifecta product line to Yokogawa. This change comes after many months of testing and validation to ensure that the Yokogawa transmitters will meet the same stringent performance and reliability standards that have been experienced with the Rosemount product line. Chart will continue to stock both the Rosemount pressure transmitter and differential pressure transmitter at Chart Parts for a direct replacement with what is currently in the field. The Wika pressure transmitter used for the bulk tank pressure will not change.

Products Affected: All Trifecta Models

Description: In order to make the change from Rosemount to Yokogawa in the field, only a single modification needs to be made. The bracket that holds the Rosemount differential transmitter has different bolt holes than what is required for the new Yokogawa DP transmitter. A new bracket will be made that will work on both types of DP transmitters. To change out a Rosemount pressure transmitter to a Yokogawa pressure transducer, no changes are necessary (see photo on next page). The pressure transmitters are interchangeable (see table 1 for pressure transmitter part numbers). To change out a Rosemount differential pressure transmitter to a Yokogawa DP transmitter, order the bracket called out on line 8 of Table 1. New metric screws will also be included with the bracket since they are different than the Rosemount DP mounting screws. Cut sheets on the new transmitters can be provided at request.

Rosemount P/N	Description	Yokogawa	Yokogawa Mfg. PN
13963691	DIFF PRESS CALBRATED 0-40"	21722639	EJA110E-JMS4G-B17NN/CU1/K5/D1
14319186	DIFF PRESS CALIBRATED 0-100"	21724841	EJA110E-JMS4G-B17NN/CU1/K5/D1
12894574	TRANSMITTER PRESS 0-500 PSIG	21724842	EJA530E-JCS4N-012NN/CU1/K5/D1
20547373	TRANSMITTER PRESS 0-600PSIG	21724843	EJA530E-JCS4N-012NN/CU1/K5/D1
13963691	DIFF PRESS CALBRATED 0-40"Oxygen	21724844	EJA110E-JMS4G-B17NN/ CU1/K6/D1
14319186	DIFF PRESS CALIBRATED 0-100" Oxygen	21724845	EJA110E-JMS4G-B17NN/ CU1/K6/D1
12894574	TRANSMITTER PRESS 0-500 PSIG Oxygen	21724846	EJA530E-JCS4N-017NN/CU1/K6/D1
21160311	BRACKET TRIFECTA XMILTER	21738722	BRACKET TRIFECTA Yokogawa
	MOUNTING SCREWS HHCS SS M6x1x14mm LG 18-8	21736643	

TABLE 1

Note: The existing Rosemount bracket can be modified by drilling two 5/16 inch holes per the attached PDF drawing. The existing Rosemount mounting screws will not fit the Yokogawa transmitter. Use two (2) M6x1x14mm long 18-8 SS screws to mount the transmitter to the existing bracket after drilling the holes.

Photos:



Rosemount



Yokogawa

Contact: Chart continuously strives to meet customer expectations in a number of different areas. This design change notification (DCN) is distributed to customers in order to communicate design changes that are made to our standard products. If you have concerns or questions relative to this DCN, please contact your Chart customer service representative at (800) 400-4683. Thank you for depending on Chart to provide your company with high quality products and service.

