

EST4300-RG/RD Smart Remote Differential Pressure Transmitter

Product Introduction

Remote Differential Pressure Transmitter is used where to keep the isolating diaphragm out of direct contact with the process liquid and to prevent the process from the sensor module; With the same technology and specifications with 3151 differential pressure transmitter, EST4300-RG/RD transmitter is a little bit weakened in measurement accuracy and response time. Besides, as the capillary length is over 10m, special attention must be paid to the installation position of the capillary to ensure the pressure tested is within the measuring scope of the basic sensing element; compatible with HART 475 field communicator.

Due to the nature of hydrostatic level monitoring, media density should be known for an accurate level measurement. For most cases, the measurement process can be performed with a DP or GP transmitter; however, for any of the following situations, a remote differential pressure transmitter shall be used.

- Where the process liquids are prone to solidifying or crystallizing
- Where the process liquids are too thick or contains suspended solid and can easily block the impulse piping
- Where the process liquids are hot or corrosive, and cannot be measured directly
- Where the process liquids are food or other materials that cannot be contaminated



Remote device specification

Fill fluid working temperature	<ul style="list-style-type: none"> • Silicone 200: -40~149℃; • Silicone: 15~315℃ • Fluorocarbon oil:-45~205℃
Pressure Limits	<ul style="list-style-type: none"> • Threaded:14MPa; • Check ring:2MPa; • Flange, plug-in, and flat. Based on flange rating.
Booting Time	No warming up. Response time is affected by the temperature, pressure, remote type, capillary length, diameter as well as the fill fluid.

Ordering Procedure

EST4300	Smart Remote Differential Pressure Transmitter						
	Code	Transmitter Type					
	RG	Remote Pressure Transmitter					
	RD	Differential Pressure Transmitter					
		Cod	Range				
		4	0-4.0~40kPa(0-400~4000mmH2O)				
		5	0-20~200kPa(0-2000~20000mmH2O)				
		6	0-70~700kPa(0-0.7~7kgf/cm2)				
		7	0-210~2100kPa(0-2.1~21kgf/cm2)				
		8	0-700~7000kPa(0-7.0~70kgf/cm2)				
			Code	Output Type			
			S	Linear Output 4-20mAdc+HART signal			
			F	Fieldbus Signal			
				Code	Construction Materials		
					Flange	Drain/Vent Valves	Isolating Diaphragm
				12	CS	316 SST	316 SST
				22	316 SST	316 SST	316 SST
				Code	Remote Device		
				S1	One remote device(1199 series)		
				S2	Two remote device(1199 series)		
					Code	Options	
					M1	0~100% Linear Meter	
					M4	LCD Digital Meter	
					B1	Pipe Mounting Bracket	
					B2	Panel Mounting Bracket	
					B3	Pipe Mounting Bracket	
					Da	Explosion-proof ExdIIBT5	
					Fa	Intrinsically Safe ExialICT5	
EST4300	RD	8	4000	12	S2	M4B1Da	0~4000kPa