

ESS343 GID-3-EV03.3 | Capacitive Sensing Element

ESS343 Capacitive Sensing Element (Diaphragm) for EST4300 DPT or 3051DPT

#	Code	Range	Static Pressure	Micro Differential Pressure/DR	Absolute Pressure	Gauge Pressure	Differential Pressure	High Static Pressure
1	2E	0-0.16-1Kpa	2.5Mpa	*				
2	3E	0-1-6Kpa	4Mpa			*	*	*
3	4E	0-6-40Kpa	10Mpa		*	*	*	*
4	5E	0-40-200Kpa			*	*	*	*
5	6E	0-1.6-1Mpa			*	*	*	*
6	7E	0-0.4-2.5Mpa			*	*	*	*
7	8E	0-1.6-8Mpa			*	*	*	*
8	9E	0-4-20Mpa			*	*		
9	0E	0-6-40Mpa				*		
10	HP4E	0-6-40Kpa	25/32Mpa					
11	HP5E	0-40-200Kpa						
12	HP6E	0-1.6-1Mpa						

Technical Data for ESS343 Capacitive Sensing Element (Diaphragm)

Accuracy	±0.1%/±0.2%	Stability	0.2%/FS/Year
Working Temp.	-40°C -104°C (Regular Fluid Filled)		-40°C -260°C (Enhanced Fluid Filled)
Range Error	±0.5%/55°C		
Temp. Drift	±0.25%/55°C		

Diaphragm Material			High Temp. Wires Connection		
#	Code	Material		Red Wire	H-Terminal
	2	SS316		White Wire	L-Terminal
	3	Hastelloy-C		Black Wire	Housing
	4	Monel		Blue Wire	Temp. -
	5	Ta-tantalum		Green Wire	Temp. +
	6	Ti-titanium			
	7	Au-overgild			

Drawing for ESS343 Capacitive Sensing Element (Diaphragm)

