

HORIBASTECC Z534, Z544 Devicenet™

Mass Flow Controller / Meter

Mass flow controller model	SEC-Z534KVX	SEC-Z544KVX
Mass flow meter model	SEF-Z534KX	SEF-Z544KX
Full-scale flow rate (N2 conversion flow rate)	100SLM	200SLM
Valve Type	C: Normally closed	
Flow rate at fully closed control valve	≤ 5% F.S.	
Flow rate control range	5-100% of F.S.	
Flow rate measuring range (SEF)	0-100% of F.S.	
Accuracy *2	±1.0% S.P. (flow rate > 35%)	
	±0.35% F.S. (flow rate ≤ 35% F.S.)	
Operating temperature	5 to 50°C (recommended)	
Response	≤ 1.5 second: Over full flow rate range (typically 1 second)	
Linearity	≤ ±0.5% F.S.	
Repeatability	≤ ±0.2% F.S.	≤ ±0.5% F.S.
Operating differential pressure	200 to 300 kPa (d)	
Operating differential pressure (SEF)	≤ 300 kPa (d)	
MAX. Operating pressure	300 kPa (g)	
Pressure resistance	1000 kPa (g)	
Leak Integrity	≤ 5 x 10 ⁻¹² Pa·m ³ /s (He)	
Digital interface	DeviceNet™ Protocol	
Wetted materials	316L Stainless Steel (polished surface), PTFE, magnetic stainless steel	
Power supply	Conforming to ODVA standards	Conforming to ODVA standards
	DC 24 V, 7.5 VA	DC 24 V, 7.0 VA
Standard Fitting *3	3/8 inch VCR equivalent	1/2 inch VCR equivalent
	Option: 1. 5 inch IGS	
Mounting orientation	Free	

*2 The flow rate precision guaranteed temperatures conform to SEMI E56-1296 standards. The precision associated with the full-scale MR and MG number values.

*3 IGS: Integrated Gas System

* SCCM and SLM are notations indicating the gas flow rate (mL/min, L/min, at 0°C and 101.3 kPa).