

Comparison Data

Parameter	SCL3300-D01	Notes	SCA103T		SCA100T		SCA61T		Notes
			D04	D05	D01	D02	FAHH1G	FA1H1G	
Measurement axes	XYZ		X		XY		X		
Size, mm (w x l x h)	7.6 x 8.6 x 3.3		11.31 x 15.58 x 5.08		11.31 x 15.58 x 5.08		11.31 x 10.48 x 5.08		
Operating voltage, V	3.0 - 3.6		4.75 - 5.25		4.75 - 5.25		4.75 - 5.25		
Current consumption, mA	1.2 / 2.1*	* Mode 4	4		4		2.5		
Measurement range (°)	Selectable ±90° / ±5°		±15°	±30°	±30°	±90°	±90°	±30°	
Offset temperature drift (°)	±0.57° / ±0.86°*	* Y-channel	±0.29°		±0.86°		±0.86°		
Sensitivity (LSB/°) (mV/°) - Acceleration output	209, 105, 52	Calculated from acceleration. Only valid between 0 .. ±1°	280	140	70	35	70	35	Calculated from acceleration. Only valid between 0 .. ±1°
- True inclination output	182		-	-	-	-	-	-	
Sensitivity temperature drift (%)	±0.3		-2.5 .. 1		-2.5 .. 1		-2.5 .. 1		
Noise density (°/√Hz)	0.0012	X-, Z-ch, Mode 4	0.0004		0.0008		0.0008		
	0.0008	Y-ch, Mode 4							
Cross-axis sensitivity (%)	±1		±4		±4		±4		
Amplitude response (Hz)	Selectable* 70, 40, 10	* Tied to measurement range	8 - 28		8 - 28		8 - 28		
Output	Digital 16-bit		Analog (+Digital 11-bit)		Analog (+Digital 11-bit)		Analog (+Digital 11-bit)		