



MAXL-OL-2000

Open Loop Products

Advanced MEMS sensors for multiple applications;
Taking accuracy to the next level

MAXL-OL-2000 Key Parameters

Parameter	MAXL-OL-2002**	MAXL-OL-2005**	MAXL-OL-2010**	MAXL-OL-2015**	MAXL-OL-2020**	MAXL-OL-2040**	MAXL-OL-2070
Sensing Range g	±2	±5	±10	±15	±20	±40	±70
Bias							
Long Term repeatability mg (1σ)	0.5	0.8	1.5	2	2	4	5
Short Term Stability (1h) µg (max)	100	150	200	250	250	350	650
Temperature sensitivity µg/°C (1σ)	70	110	120	150	150	300	550
Temperature residual µg (1σ)	400	500	500	500	500	650	800
Turn On to Turn On repeatability mg (max)	0.09	0.24	0.45	0.5	0.5	0.6	0.8
Scale Factor							
Long Term repeatability ppm (1σ)	600	600	600	600	600	600	600
Short Term Stability (1h) ppm (max)	200	200	200	200	200	200	300
Temperature sensitivity ppm/°C (1σ)	55	55	55	55	55	55	55
Temperature residual ppm (1σ)	200	200	200	200	200	200	200
Linearity Error % of full scale (1σ)	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Other							
Bandwidth (-3dB) Hz (min)	200 (500)*	250 (1000)*	250 (1000)*	250 (1200)*	250 (1200)*	300 (2000)*	300 (2400)*
Noise Density (measured @ 0g) µg/√Hz (max)	1.2	1.6	2.2	4	4	5	5
VRE (20-2000Hz), sensing axis µg/g ² _{RMS} (max)	800	600	400	400	250	200	200

** Also available as export control free products (Operating temperature range tested @ -10°C to +60°C)

()*Special order required for adjusted Bandwidth. No degradation in other parameters.

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