



MAXL-CL-3030 Evaluation Kit

MAXL-CL-3030-EVK is a rugged plug-and-play measurement device equipped with MAXL-CL-3030 PL precise capacitive MEMS accelerometers. MAXL-CL-3030-EVK is a perfect solution for a quick evaluation of MAXL-CL-3030 accelerometer under harsh environment conditions.



MAXL-CL-3030-EVK device comprises a fully temperature calibrated MAXL-CL-3030 accelerometer mounted inside a rugged, sealed, anodized aluminum case. Acceleration and temperature data acquisition from the MAXL-CL-3030-EVK is easily accomplished using the supplied 2 meter USB cable and a convenient software utility that is downloaded directly from the Physical Logic website. The power supply to the module is also via the USB cable.

MAXL-CL-3030-EVK Key Parameters

Parameter	Units	*MAXL-CL-3030-10-EVK	*MAXL-CL-3030-15-EVK	MAXL-CL-3030-20-EVK	MAXL-CL-3030-30-EVK
Input Range g	g	±30	±30	±30	±30
Bias					
Short Term Stability STD	µg (max)	175	125	100	75
Long Term repeatability	µg (max)	4000	2000	1200	500
Residual Error Over Temperature	µg (max)	450	300	150	70
Scale Factor					
Short Term Stability STD	ppm (max)	150	150	100	100
Long Term repeatability	ppm (max)	800	600	400	400
Residual Error Over Temperature	ppm (max)	250	200	150	100
Other					
Bandwidth (-3dB)	Hz	300	300	300	300
Equivalent Noise Density in Bandwidth	µg/√Hz (max)	50	45	45	45
Linearity Error	ppm of full scale (max)	300	300	300	300

*Cost effective, MTCR free (grades 10 and 15)

** Also available in 15g, 50g and 70g sensing ranges

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