



PASSCAL Sensor Comparison

Sensor	Manufacturer	Power	Natural Frequency	Damping	Sensitivity	Zeroes	Poles
STS-2	Streckeisen	50 ma @ 12vdc	0.0083 Hz	0.707 critical	1500 v/m/s	two at zero	-0.037 +0.037i -0.037 - 0.037i
CMG-3T	Guralp	100 ma @ 12vdc	0.0083 Hz	0.707 critical	1500 v/m/s	two at zero	-0.037 +0.037i -0.037 - 0.037i
CMG3-ESP	Guralp	100 ma @ 12vdc	0.033 Hz	.707 critical	2000 v/m/s	two at zero	-0.147 +0.147i -0.147 - 0.147i
CMG-40T	Guralp	50 ma @ 12vdc	0.033 Hz	0.707 critical	800 v/m/s	two at zero	-0.1481 +0.1481i -0.1481 - 0.1481i
S-13	Teledyne Geotech	passive	1.0 Hz	0.707 critical	629 v/m/s	two at zero	-4.443 +4.443i -4.443 - 4.443i
L-4C	Mark Products	passive	1.0 Hz	0.707 critical	166.54 v/m/s	two at zero	4.443 +4.443i -4.443 - 4.443i
L-22	Mark Products	passive	2.0 Hz	0.707 critical	88 v/m/s	two at zero	-8.886 +8.886i -8.886 - 8.886i
L-28	Mark Products	passive	4.5 Hz	0.707 critical	30.4 v/m/s	two at zero	-19.79 +19.79i -19.79 - 19.79i
L-40	Mark Products	passive	40 Hz	0.707 critical	22.34 v/m/s	two at zero	-177.22 +177.22i -177.22 - 177.22i

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