



- *Upright Shock and Vibration*
- *Super Rugged...100% Solid State*
- *Self-Amplifying...High Level Output*
- *Wide Range of Input Power...+8 to 20 Volts*
- *Low Cost*



MODEL UCDV
VEHICLE DYNAMICS ACCELEROMETER

Specifications

Electrical	
Ranges Available	+/- 2 to +/- 50 G
Power Required	+ 8 to +30 vdc, 15 ma maximum
Output Voltage	0.5 to 4.5 VDC
Zero G Output Voltage *	2.500 +/- 0.05 VDC
Crossaxis Sensitivity	Less than 2%
Output Noise	Less than 0.003 G Dc to 10 Hz Less Than 0.01 G Dc to 100 Hz
Frequency Response (Typical)	DC to 100 Hz + 0, -3DB Smooth Rolloff Above 50 Hz)
Zero G Bias Drift	Less Than 0.001 Volts / Deg C.

Physical Properties	
Operating Temperature	-10 to 75 Deg C
Vibration Survival	50 G RMS,2 to 2000Hz Limited to 1 inch displacement
Shock Survival	1000G, 1ms 100G, 11ms
Humidity	95% R.H.
Mounting	10-32 Threaded Stud
Dimensions (excluding stud)	0.900" dia X 1.3" high

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