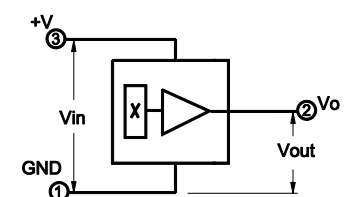
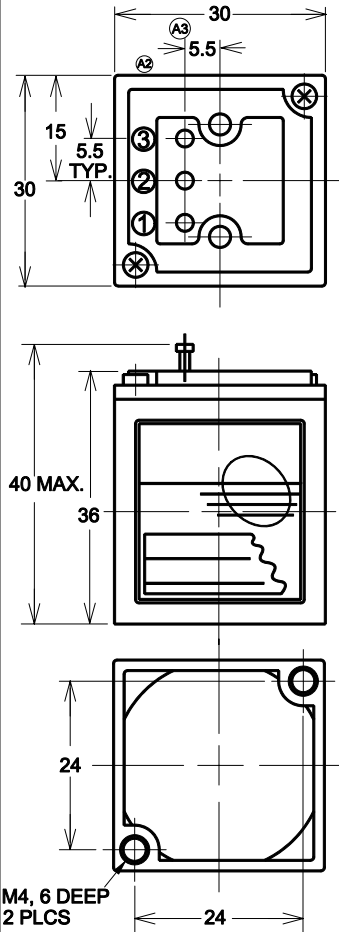
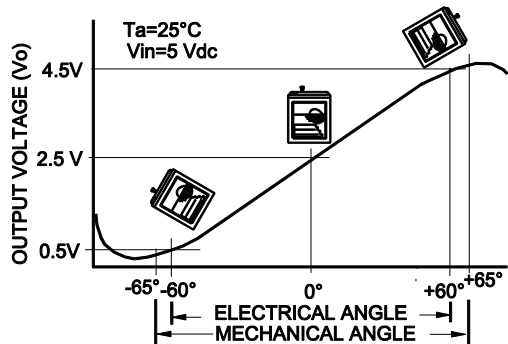
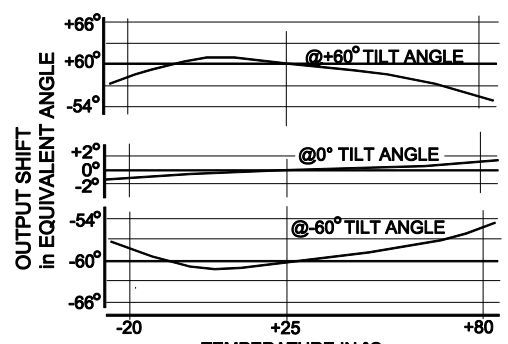


REF. NO:		REVISION																	
C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D														
		(1) WAS "OUTPUT CURRENT: 0.5mA MAX." (2)*10" DELETED. (3) ADDED "5.5".	10/3/02	T.TSUGAWA	Y.N.														
<b>1.0 GENERAL DESCRIPTION:</b> MODEL UV-00H IS A HIGHLY RELIABLE WIDE ANGLE INCLINOMETER, DESIGNED WITH MIDORI PROPRIETARY "BUOY-FLOAT/PENDULUM" CONCEPT. THIS UNIQUE CONCEPT ALLOWS THE INCLINOMETER TO HAVE A LITTLE OR NO MECHANICAL LOAD ON THE PIVOT, FEATURING LONG OPERATING LIFE AND A MINIMAL SHOCK AND VIBRATION EFFECT. WITH A TEMPERATURE STABLE AND SIGNAL CONDITIONED "HALL EFFECT IC SENSOR" AND SEALED HOUSING, IT OFFERS A USER AN OPTIMUM SOLUTION FOR WIDE TILT ANGLE SENSING APPLICATIONS IN SEVERE OPERATING ENVIRONMENT.		 <p><b>FIGURE 2 SCHEMATIC</b></p>																	
<b>2.0 SPECIFICATIONS: (REFER TO FIGURES 1, 2 AND 3)</b> <b>2.1 TILT ANGLE:</b> ELECTRICAL ANGLE: $\pm 60^\circ$ (120° F.S.) MECHANICAL ANGLE: 130° <b>2.2 INPUT VOLTAGE, Vin:</b> 5 Vdc $\pm 10\%$ <b>2.3 OPERATING CURRENT:</b> 10 mA MAX. <b>2.4 OUTPUT CHARACTERISTICS: (Ta= 25°C, Vin=5 Vdc, RL=10 KOHMS)</b> (1) SENSITIVITY: 34 $\pm 7$ mV/1° (2) INDEPENDENT LINEARITY: -30° to +30° RANGE: $\pm 1.5\%$ FS (FS=60°) -60° to +60° RANGE: $\pm 3.0\%$ FS (FS=120°) (3) SENSIBILITY: -30° to +30° RANGE: 0.4° (INCLUDING HYSTERESIS) -60° to +60° RANGE: 0.8° (INCLUDING HYSTERESIS)  (4) RESPONSE TIME: APPROX. 0.5 SECONDS (5) OUTPUT LOAD: $A_1$ 10 KOHMS MIN. (6) INDEX POINT: 2.5 $\pm 0.25$ V  <b>2.5 INSULATION RESISTANCE:</b> 100 meg OHMS MIN. @50Vdc <b>2.6 OPERATING AND STORAGE TEMPERATURE:</b> -20°C to +80°C <b>2.7 TEMPERATURE EFFECT: (EXPRESSED AS CHANGE IN EQUIVALENT ANGLE OVER THE OPERATING TEMPERATURE RANGE, REFERENCED FROM Ta=25°C)</b> (1) @ 0° TILT ANGLE: $\pm 2^\circ$ MAX. (2) @ $\pm 60^\circ$ TILT ANGLE: $\pm 6^\circ$ MAX.		 <p><b>FIGURE 1 OUTLINE DIMENSIONS</b></p>																	
<b>2.8 VIBRATION:</b> 10 Gs, 20 Hz to 400 Hz <b>2.9 SHOCK:</b> 100 Gs <b>2.10 WEIGHT:</b> APPROX. 35 gm <b>2.11 MATERIAL:</b> HOUSING: PBT, CARBON FILLED		 <p><b>FIGURE 3 TYPICAL OUTPUT CHARACTERISTICS</b></p>																	
		 <p><b>FIGURE 4 TEMP. CHARACTERISTICS (REF. ONLY)</b></p>																	
		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN mm(in). TOLERANCES: ANGLES: $\pm 1.5^\circ$ $\leq 10$ mm: $\pm 0.25$ $< 100$ mm: $\pm 0.5$ $\geq 100$ mm: $\pm 1$		<table border="1"> <tr> <td>DRAWN</td> <td>DATE</td> </tr> <tr> <td>T. TSUGAWA</td> <td>04/20/98</td> </tr> <tr> <td>CHECKED</td> <td>DATE</td> </tr> <tr> <td>Y. NAKAMURA</td> <td>04/11/02</td> </tr> <tr> <td>APPROVED</td> <td>DATE</td> </tr> <tr> <td>APPROVED</td> <td>DATE</td> </tr> <tr> <td>SCALE:</td> <td></td> </tr> </table>		DRAWN	DATE	T. TSUGAWA	04/20/98	CHECKED	DATE	Y. NAKAMURA	04/11/02	APPROVED	DATE	APPROVED	DATE	SCALE:	
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		<b>SPECIFICATION DWG</b> FOR <b>MODEL UV-00H</b> INCLINOMETER, WIDE ANGLE BOUY-FLOAT/PENDULUM TYPE		<b>Midori America Corporation</b> FULLERTON, CA <b>B-MAC-B50</b> <b>A</b>															
		FILE: UV-00H		1 OF 1															



**GUEMISA**

Sta. Virgilia 3-b : 1ª 28033 Madrid  
 Tfno.: 91 764 21 00 Fax.: 91 764 21 32  
 Email: info@guemisa.com