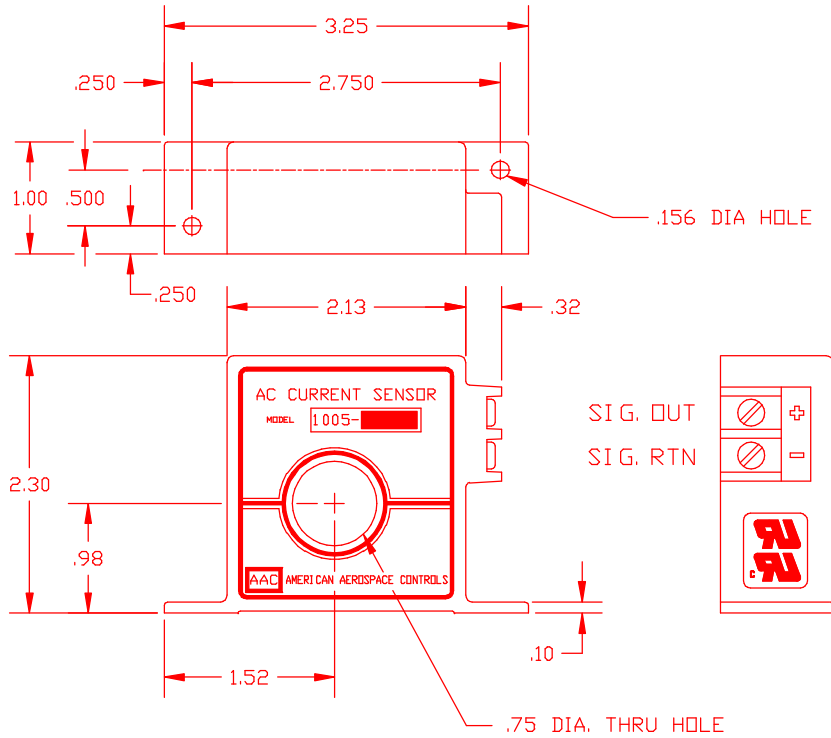


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**A.C. CURRENT SENSOR  
SERIES 1005**



**TERMINALS:**

4-40 SCREWS, 3/8" CENTER TO CENTER SPACING, ACCEPTS WIRE SIZES UP TO 14 AWG AND WIRE LUGS UP TO 9/32" WIDE. MAXIMUM TORQUE NOT TO EXCEED 8 IN-LBS

PART NO.	CURRENT RANGE	OUTPUT IMPEDANCE	PART NO.	CURRENT RANGE	OUTPUT IMPEDANCE
	AMPS AC	K OHMS		AMPS AC	K OHMS
1005-2	0 to 2	25	1005-50	0 to 50	1.5
1005-5	0 to 5	10	1005-75	0 to 75	1.0
1005-10	0 to 10	7.0	1005-100	0 to 100	0.7
1005-15	0 to 15	5.0	1005-150	0 to 150	0.5
1005-20	0 to 20	3.5	1005-200	0 to 200	0.4
1005-25	0 to 25	3.0	1005-250	0 to 250	0.3
1005-30	0 to 30	2.5	1005-300	0 to 300	0.25
1005-40	0 to 40	1.75			

**INPUT CURRENT**

RANGE ..... See Table  
 OPERATING FREQUENCY ..... 50 to 60Hz  
 OVERLOAD CONTINUOUS ..... 200A (2 to 100A ranges)  
 400A (150 to 300A ranges)

**OUTPUT**

VOLTAGE SIGNAL ..... 0 to 5Vdc FS (Full Scale)  
 ACCURACY ..... ± 1% FS for 10A range and above  
 ±2% FS for 2A and 5A ranges  
 RIPPLE ..... 100mV RMS typical  
 RESPONSE (10 to 90%) ..... 80m-sec typical  
 IMPEDANCE ..... See Table  
 TEMPERATURE COEFFICIENT ..... ±0.04% FS/°C max.  
 ±0.08% FS/°C max. (2 & 5A units)  
 REPEATABILITY ..... ±0.1% FS  
 VOLTAGE SIGNAL @ OVERLOAD ..... 11Vdc max.  
 VOLTAGE SIGNAL LINEAR TO ..... 6Vdc (120% FS)

**POWER SUPPLY (PS)**

SUPPLY VOLTAGE ..... None, Self Excited

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING TEMPERATURE RANGE ..... -20° to +70°C  
 STORAGE TEMPERATURE RANGE ..... -55° to +85°C  
 ISOLATION ..... Input/Output/Case  
 CONDUCTOR CABLE VOLTAGE ..... 1.5KV max. (5KV with Insul. Cable)  
 CASE ..... Molded Plastic Meets UL Flammability Rating 94V- 0  
 WEIGHT ..... 5 oz. max.

<b>AAC</b>	<b>Drawing Number 700-1005</b>	<b>Rev. M</b>
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