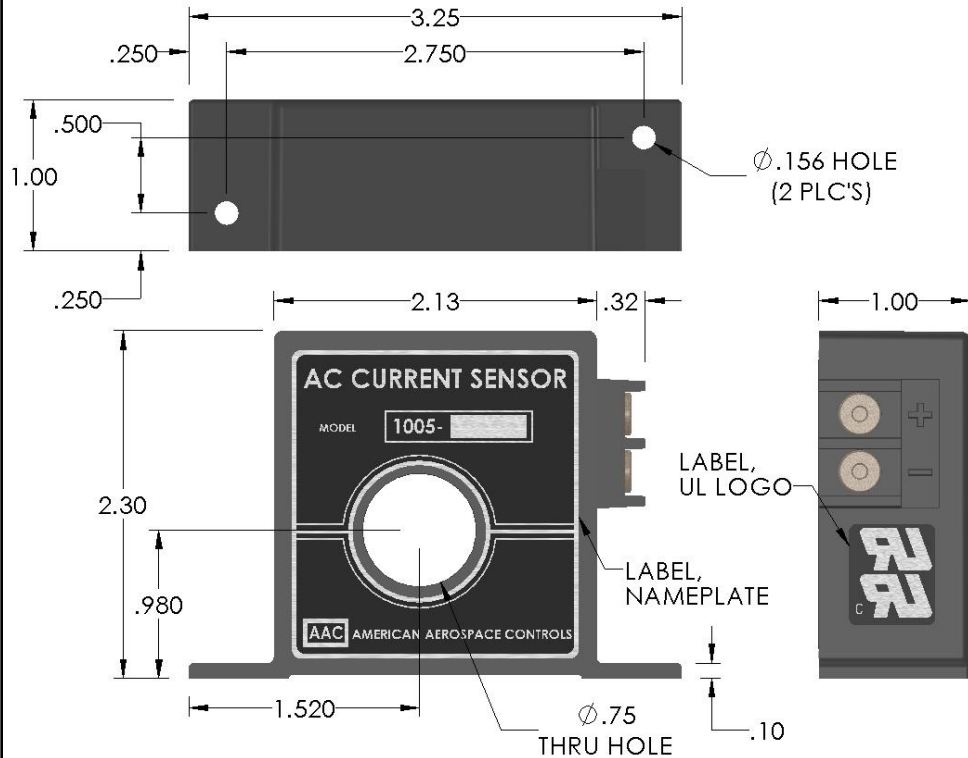


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

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



<u>PART NO.</u>	<u>CURRENT RANGE AMPS AC</u>	<u>OUTPUT IMPEDANCE K OHMS</u>	<u>PART NO.</u>	<u>CURRENT RANGE AMPS AC</u>	<u>OUTPUT IMPEDANCE K OHMS</u>
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	47 to 63Hz
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	50mV RMS Max.
RESPONSE (10 to 90%)	250m-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
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**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING TEMPERATURE RANGE	-40° to +85°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. / 140g max.



**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

<b>AAC</b>	<b>Drawing Number 1005</b>	<b>Rev. P</b>
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