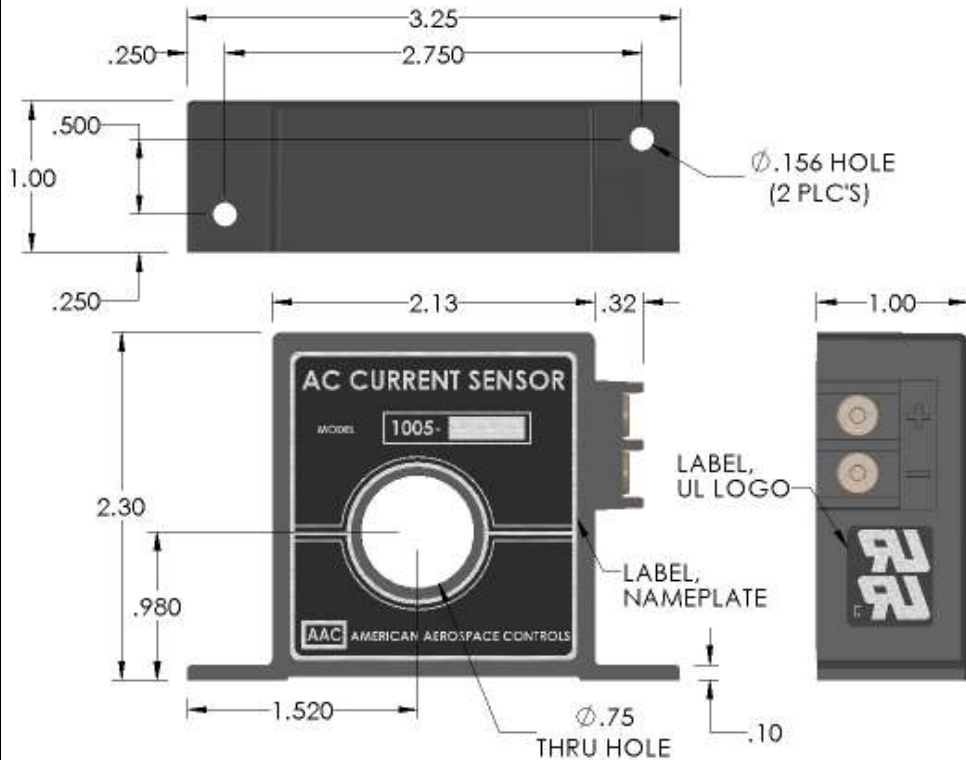


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**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 | 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. |



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

| | | |
|------------|------------------------------------|-------------------|
| AAC | Drawing Number 700-1005 | Rev. N |
|------------|------------------------------------|-------------------|