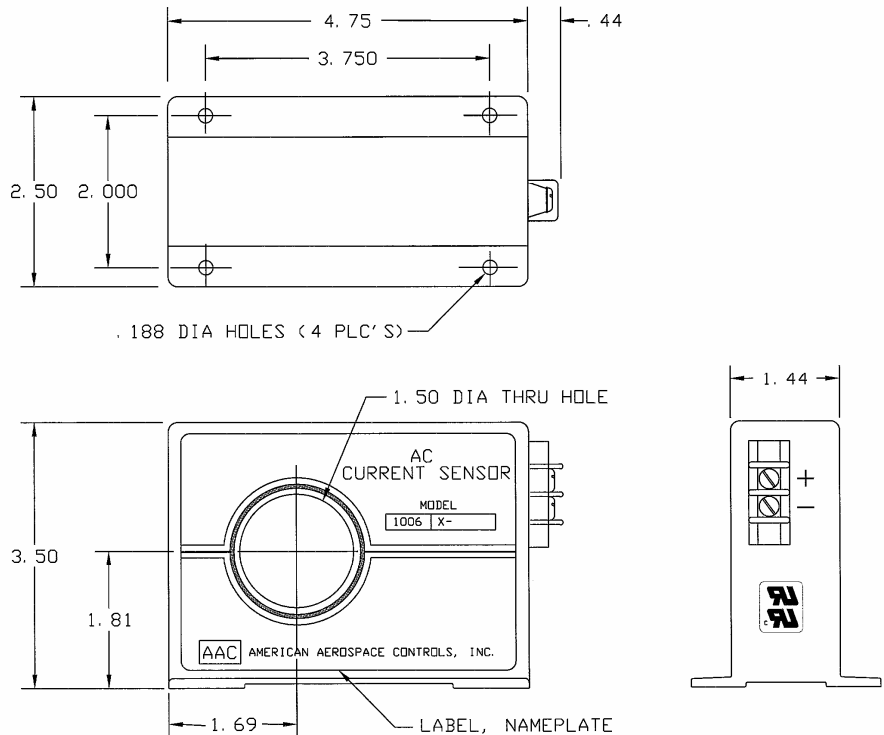


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**AC CURRENT TRANSDUCER
SERIES 1006X
4 TO 20mA 2 WIRE LOOP POWER**



| PART NO. | INPUT CURRENT | PART NO. | INPUT CURRENT |
|-----------|---------------|------------|---------------|
| 1006X-5 | 0 to 5 | 1006X-200 | 0 to 200 |
| 1006X-10 | 0 to 10 | 1006X-250 | 0 to 250 |
| 1006X-20 | 0 to 20 | 1006X-300 | 0 to 300 |
| 1006X-25 | 0 to 25 | 1006X-400 | 0 to 400 |
| 1006X-30 | 0 to 30 | 1006X-500 | 0 to 500 |
| 1006X-50 | 0 to 50 | 1006X-600 | 0 to 600 |
| 1006X-75 | 0 to 75 | 1006X-800 | 0 to 800 |
| 1006X-100 | 0 to 100 | 1006X-1000 | 0 to 1000 |
| 1006X-150 | 0 to 150 | 1006X-1200 | 0 to 1200 |

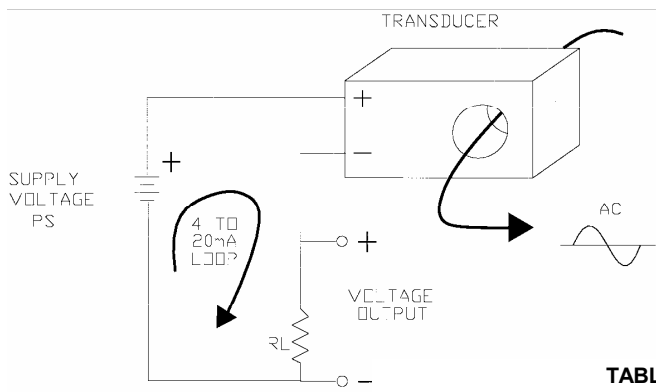


INPUT CURRENT
 RANGE..... See Table
 FREQUENCY 50 & 60 Hz
 OVERLOAD CONTINUOUS..... 500Aac or two X FS which ever is greater to a maximum of 1750A

OUTPUT
 VOLTAGE SIGNAL..... 4 to 20mAdc FS (Full Scale)
 ACCURACY ±0.5% FS (±0.1mA) Over Temperature Range
 RIPPLE..... .2% FS Typical
 RESPONSE (10 to 90%) 100 m-sec max.
 TEMPERATURE COEFFICIENT ±0.02% FS/°C max.
 LOAD RESISTANCE (RL) 250 Ohms Nominal
 LOAD RESISTANCE RANGE 0 to 1400 Ohms (See Table II)
 REPEATABILITY ±0.1% FS
 CURRENT SIGNAL @ OVERLOAD 30mA Typical
 PROTECTION Reverse Polarity Protected

POWER SUPPLY
 SUPPLY VOLTAGE (PS) 15Vdc Nominal
 CURRENT DRAIN 20mA
 SUPPLY VOLTAGE RANGE 10 to 35Vdc (See Table II)

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 1.2 lbs. max.



**TABLE II
SUPPLY (PS) VS LOAD RESISTANCE (RL)**

| SUPPLY | LOAD RESISTANCE |
|--------|-----------------|
| 11Vdc | 0 to 250 Ohms |
| 16Vdc | 0 to 500 Ohms |
| 21Vdc | 0 to 750 Ohms |
| 26Vdc | 0 to 1000 Ohms |
| 28Vdc | 0 to 1100 Ohms |
| 34Vdc | 0 to 1400 Ohms |



TERMINALS:
 5-40 SCREWS, 3/8" CENTER TO CENTER SPACING,
 ACCEPTS WIRE SIZES UP TO 14 AWG. AND WIRE
 LUGS UP TO 9/32" WIDE.
 $RL = VX + (.02)RL$
 $VX = 6V$
 $RL = 6V + (.02)(1400) = 34Vdc$

| | | |
|------------|-------------------------------------|-------------------|
| AAC | Drawing Number 700-1006X | Rev. L |
|------------|-------------------------------------|-------------------|