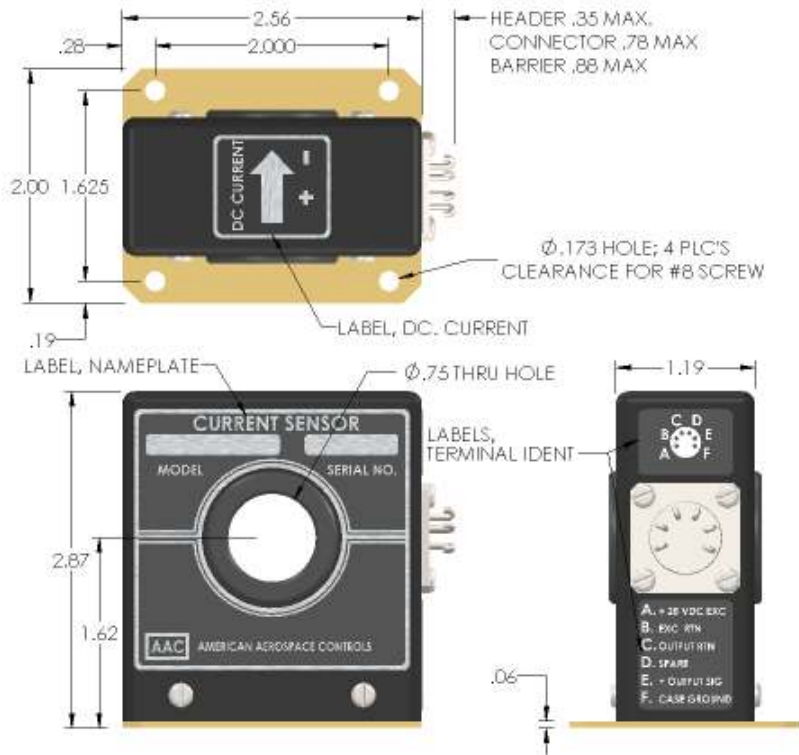


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



**DC CURRENT TRANSDUCER  
SERIES 952**

AAC PART NUMBER	INPUT CURRENT RANGE	OUTPUT ACCURACY (SEE NOTE 1)			OUTPUT IMPEDANCE OHMS	SUPPLY CURRENT DRAIN
		@25°C	0 to 70°C	-55to85°C		
952-50	0 to 50Adc	±0.5%	±0.8%	±1.5%	100	40mA
952-100	0 to 100Adc	±0.5%	±0.6%	±1.0%	100	40mA
952-150	0 to 150Adc	±0.5%	±0.6%	±1.0%	70	60mA
952-200	0 to 200Adc	±0.5%	±0.6%	±0.8%	50	65mA
952-250	0 to 250Adc	±0.5%	±0.6%	±0.8%	40	80mA
952-300	0 to 300Adc	±0.4%	±0.5%	±0.8%	33	100mA
952-400	0 to 400Adc	±0.3%	±0.4%	±0.6%	50	75mA
952-500	0 to 500Adc	±0.3%	±0.4%	±0.6%	40	100mA
952-600	0 to 600Adc	±0.3%	±0.4%	±0.6%	33	140mA
952-750	0 to 750Adc	±0.3%	±0.4%	±0.6%	26	185mA

**INPUT CURRENT**

RANGE ..... See Table  
 CURRENT OVERLOAD..... 5000 Adc Continuous (Nonlatching/Saturated Output)

**OUTPUT**

VOLTAGE SIGNAL..... 0 to +5 Vdc FS (Full Scale)  
 ACCURACY..... % FS See Table & Note 1  
 LINEARITY ..... ±0.1% FS  
 DI/DT ACCURATELY FOLLOWED..... 100 A/u-sec.  
 BANDWIDTH..... DC TO 100KHZ  
 RESPONSE TIME ..... <1 u-sec.  
 OUTPUT IMPEDANCE ..... See Table

**POWER SUPPLY**

SUPPLY VOLTAGE ..... 28Vdc ±4Vdc  
 CURRENT DRAIN ..... See Table  
 REVERSE POLARITY PROTECTION... 10uA Current Drain Without Damage

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING TEMPERATURE ..... -55 to +85°C  
 STORAGE TEMPERATURE..... -55 to +85°C  
 OPERATING HUMIDITY..... 0% to 95% RH  
 MOISTURE RESISTANCE ..... Method 507.4 of MIL-STD-810F  
 ALTITUDE ..... Operating sea level to 60,000 ft. Non-operating - sea level to 120,000 ft. (Method 105, Condition A of MIL-STD-202)  
 SHOCK ..... Non-Operating - 50g, 11 m-sec half sine pulse (Method 213 Condition A of MIL-STD-202)  
 RANDOM VIBRATION..... Operating MIL-STD-810F, Method 514.5, Cat.5, Proc.1, WO=0.012G<sup>2</sup>/HZ, Duration 1 hr., Figure 514.4-8  
 DIELECTRIC STRENGTH ..... 350V RMS Terminals 1-5 to 6 & Case  
 INSULATION RESISTANCE ..... 100 M-Ohms Min.  
 ATTITUDE ..... Unit will perform as specified when mounted in any position  
 FINISH (color black)..... Polyester powder coat, Base plate is conductive  
 WEIGHT ..... 14 oz. max.



**CONNECTOR OPTION**

ADD "-C" TO PART NO.  
 CONNECTOR PART NO.  
 PT02E-10-6P-023 OR EQUIV.

MATING CONNECTOR  
 PT06A-10-6S-424 OR EQUIV



**BARRIER OPTION**

ADD "-B" TO PART NO.  
 TERMINAL "F"  
 NOT SUPPLIED.

**TERMINAL IDENTIFICATION**

- A. SUPPLY VOLTAGE (+)
- B. SUPPLY VOLTAGE (RTN)
- C. OUTPUT SIGNAL (RTN)
- D. SPARE
- E. OUTPUT SIGNAL (+)
- F. CASE GROUND

**NOTE:** Specified accuracy includes the combined worst case effects of Zero Offset, Hysteresis, Supply Swings and Current Cable Positioning

<b>AAC</b>	<b>Drawing Number</b>	<b>Rev.</b>
	<b>700-952</b>	<b>N</b>