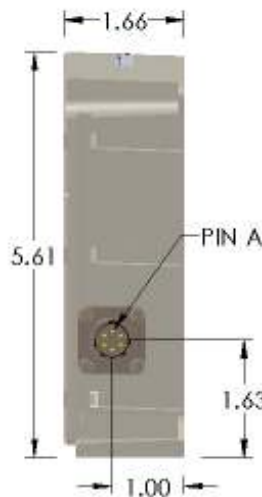
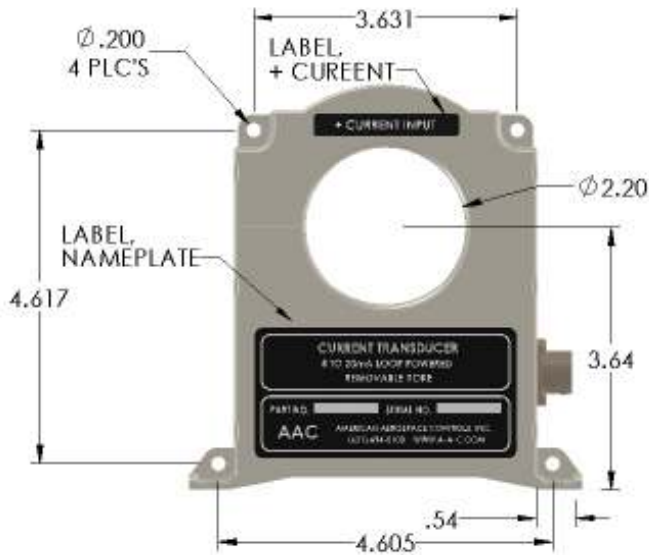
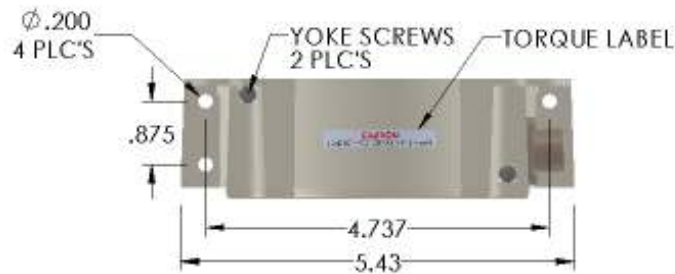


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



**DC CURRENT TRANSDUCER  
SERIES S936  
4 TO 20mA 2 WIRE LOOP POWERED  
REMOVEABLE YOKE TYPE**

PART NUMBER	CURRENT RANGE
S936-500	0 to 500
S936-750	0 to 750
S936-1000	0 to 1000
S936-1500	0 to 1500
S936-2000	0 to 2000
S936-2500	0 to 2500
S936-3000	0 to 3000
S936-3500	0 to 3500
S936-4000	0 to 4000
S936-5000	0 to 5000

**INPUT**

RANGE	Adc (See Table)
OVERLOAD	±10kAdc

**OUTPUT**

CURRENT SIGNAL	4 to 20mAdc FS (Full Scale)
ACCURACY (Over Temperature Range)	%1 FS
RESPONSE (10 to 90%)	250 u-sec. max.
LOAD RESISTANCE (RL)	250 Ohms Nominal
LOAD RESISTANCE RANGE	0 TO 300 Ohms
CURRENT SIGNAL @ OVERLOAD	24mA typ.
PROTECTION	Reverse polarity Protection

**POWER SUPPLY (PS)**

SUPPLY VOLTAGE	+12Vdc to +32Vdc
CURRENT DRAIN	4 to 24mAdc
PROTECTION	Reverse polarity protected
TRANSIENT PROTECTION	±80V (T<5mS)

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

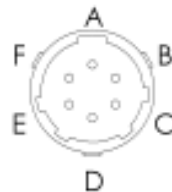
OPERATING TEMPERATURE RANGE	-40° to +85°C
STORAGE TEMPERATURE RANGE	-45° to +91°C
HUMIDITY (Operating)	0% to 95%RH
ISOLATION	Input to output 5Kv RMS 60Hz
SHOCK	50g 11m-sec. half sine pulse
INSULATION RESISTANCE	500 M-Ohms @ 500Vdc
DIELECTRIC STRENGTH	5Kvac rms input to output
CASE MATERIAL	Molded Plastic meets UL flammability rating 94V-O (color light gray)
WEIGHT	24 oz. Max.

**CONNECTOR**  
CONNECTOR P/N  
PT02E-10-6P-023 OR EQUIV  
MATING CONNECTOR  
PT06A-10-6S-424

**CONNECTOR IDENTIFICATION**

A.	POWER
B.	RTN
C.	SPARE
D.	SPARE
E.	SPARE
F.	SPARE

**YOKE CAPTIVE SCREWS:** 8-32 SLOT  
TORQUE: 2 in-lb **CAUTION DO NOT EXCEED**  
SCREWDRIVER: 7/32" SLOTTED HEAD  
1/2" MIN SHAFT LENGTH



RECOMMENDED MOUNTING SCREWS: 10-32 x 1/4" MIN;  
TORQUE: 5lb-in; FLAT AND LOCK WASHERS.

**NOTE:** INTERNAL CIRCUITRY SEALED MAKING  
TRANSDUCER WATER SPRAY RESISTANT.

**AAC**

**Drawing Number  
700-S936-924**

**Rev.  
D**