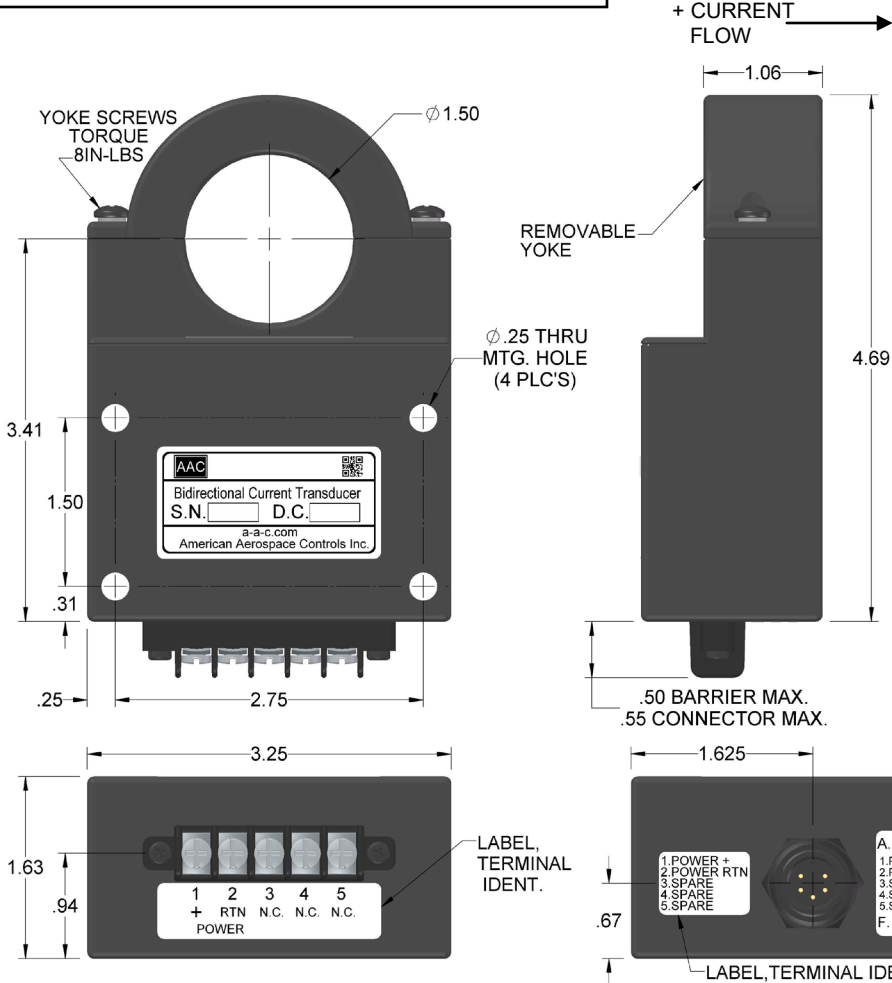


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



**BIDIRECTIONAL CURRENT TRANSDUCER  
SERIES 916  
4 TO 20mA 2 WIRE LOOP POWER  
REMOVABLE YOKE TYPE**

PART NUMBER	CURRENT RANGE	PART NUMBER	CURRENT RANGE
916-150	0 to ±150Adc	916-1000	0 to ±1000Adc
916-250	0 to ±250Adc	916-1500	0 to ±1500Adc
916-500	0 to ±500Adc	916-2000	0 to ±2000Adc
916-750	0 to ±750Adc	916-2500	0 to ±2500Adc

**INPUT RANGE**..... Adc See Table  
**OVERLOAD CONTINUOUS** ..... Unlimited (Nondestructive Nonlatching/ Saturated Output)

**OUTPUT CURRENT SIGNAL**..... 4 to 20mA Adc FS (Full Scale)  
 Zero input current = 12mA output  
 Plus Full Scale input = 20mA output  
 Minus Full Scale input = 4mA output

**ACCURACY** ..... ± 1% FS or ±0.08mA max.  
**TEMPERATURE COEFFICIENT** ..... ± 0.033% FS / °C max.  
**RESPONSE (10 to 90%)**..... 200µS max.  
**LOAD RESISTANCE** ..... 250 Ohms Nominal  
**LOAD RESISTANCE RANGE**..... 0 to 300 Ohms  
**CURRENT SIGNAL @ OVERLOAD**..... 24mA TYP.

**POWER SUPPLY (PS)**  
**SUPPLY VOLTAGE** ..... 16 to 26Vdc  
**CURRENT DRAIN**..... 24mA  
**PROTECTION**..... Reverse Polarity Protected

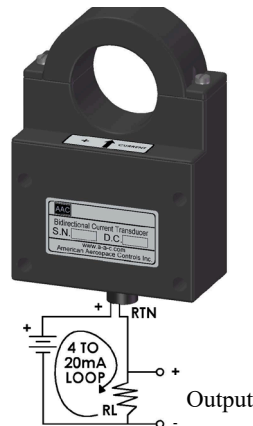
**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**  
**OPERATING TEMPERATURE RANGE** . -40° to +85°C  
**STORAGE TEMPERATURE RANGE**..... -45° to +85°C  
**ISOLATION** ..... Input/Output/Case  
**INSULATION RESISTANCE** ..... 200 M-Ohms @ 500Vdc  
**INPUT CONDUCTOR VOLTAGE** ..... 1.5KV max. (5KV max. with insulated cable)  
**CASE** ..... Molded Plastic (GE Lexan) Meets UL Flammability Rating 94  
**WEIGHT** ..... 18 oz. Max.

**NOTE 1:** HOUSING AND POT HOLES ARE SEALED MAKING TRANSDUCER WATER SPRAY RESISTANT. END USER MUST COAT TERMINAL BLOCK WITH SILICONE TO PREVENT CORROSION.

**NOTE 2:** UNIT NORMALLY SUPPLIED WITH 5 PIN MOLDED TERMINAL BLOCK WITH 6-32 TERMINAL SCREWS, 0.325 IN. CENTER TO CENTER SPACING. BARRIER ACCEPTS WIRE SIZES UP TO 16AWG AND WIRE LUGS TO .250 IN. WIDE. UNIT IS ALSO AVAILIABLE WITH 5 PIN, OPTIONAL CONNECTOR 7282-5PG-300 OR EQUIVALENT. ADD LETTER C AFTER PART NUMBER FOR CONNECTOR OPTION.

**CONNECTOR OPTION**  
 P/N: 7282-5PG-300  
 ADD-C TO PART NUMBER  
 MATING CONNECTOR  
 P/N 6282-5SG-311  
 MFG. CONXALL

**TERMINAL IDENTIFICATION**  
 1 POWER (+)  
 2 POWER (RTN)  
 3 SPARE  
 4 SPARE  
 5 SPARE



<b>AAC</b>	<b>Drawing Number</b> 700-916	<b>Rev.</b> B
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