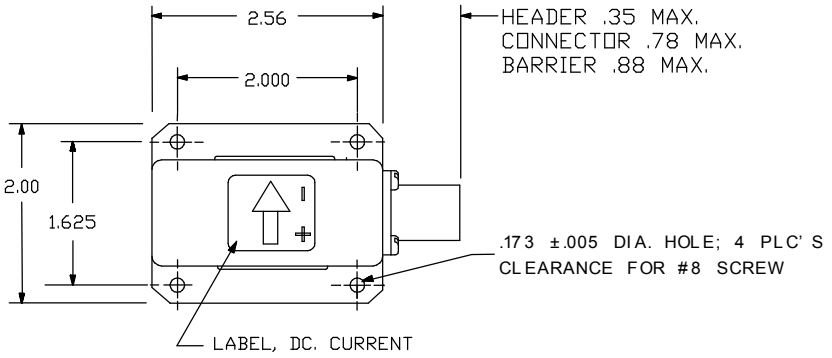
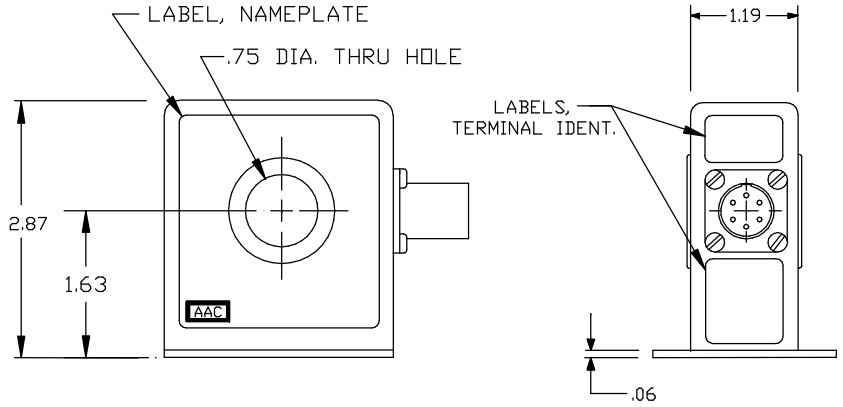
Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

DC CURRENT TRANSDUCER
SERIES 952





AAC PART NUMBER	INPUT CURRENT RANGE	OUTPUT ACCURACY (SEE NOTE 1) @25°C	0 to 70°C	-55to85°C	OUTPUT IMPEDANCE OHMS	SUPPLY CURRENT DRAIN
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

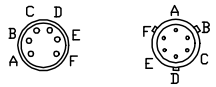
POWER SUPPLY

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

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

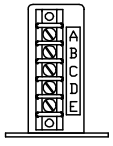
OPERATING TEMPERATURE	-55 to +85°C
STORAGE TEMPERATURE	-55 to +85°C
OPERATING HUMIDITY	0% to 95% RH
MOISTURE RESISTANCE	Will meet Method 106 of MIL-STD-202 & Method 507.1, Proc. 1 of MIL-STD-810
ALTITUDE	Operating sea level to 60,000 ft. Non-operating - sea level to 120,000 ft. (Method 105, Condition 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-810E Cat.5, Proc.1, WO=0.012G^2/HZ, Duration 1 hr., Figure 514.4-8 Suggested Vibration Levels for High Performance Aircraft 12.5G-RMS Min.
DIELECTRIC STRENGTH	350V RMS Terminals 1-5 to 6 & Case
INSULATION RESISTANCE	100 M-Ohms Min.
ALTITUDE	Unit will perform as specified when mounted in any position
WEIGHT	1.21 lbs. max.

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



SOLDER HEADER

CONNECTOR OPTION
ADD "-C" TO PART NO.
CONNECTOR P/N PT02E-10-6P OR PT02E-10-6P-023 OR EQUIV.
MATING CONNECTOR PT06A-10-6S OR PT06A-10-6S-424



BARRIER OPTION
ADD "-B" TO PART NO.
BARRIER DETAILS SEE DWG. 700-702

TERMINAL IDENTIFICATION

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

AAC	Drawing Number	Rev.
	700-952	L