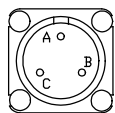
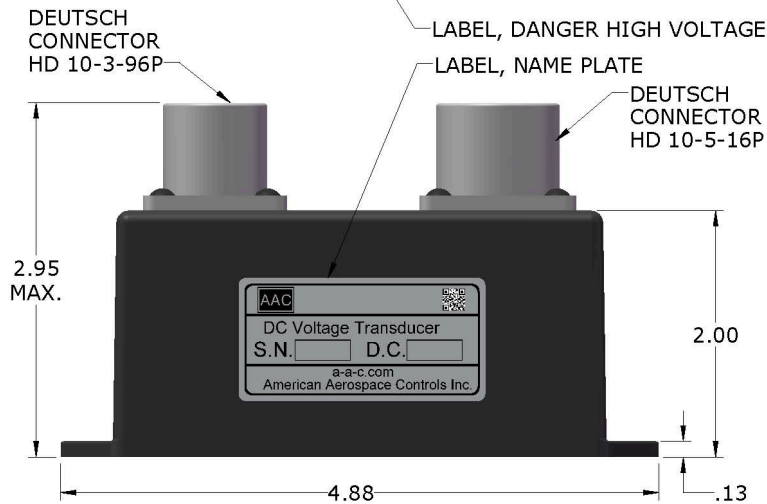
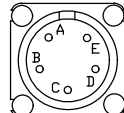


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**DC VOLTAGE TRANSDUCER
SERIES S1060**



J1
DEUTSCH CONNECTOR
HD10-3-96P
MATING CONNECTOR
HD16-3-16S



J2
DEUTSCH CONNECTOR
HD10-5-16P
MATING CONNECTOR
HD16-5-16S

TERMINAL IDENTIFICATION

J1
J1-A. SPARE
J1-B. INPUT VOLTS (+/-)
J1-C. INPUT VOLTS (+/-)

TRANSDUCER SUPPLIED WITH MATING CONNECTORS AND SOCKET CONTACTS.

TERMINAL IDENTIFICATION

J2
J2-A. SUPPLY VOLTS (+)
J2-B. OUTPUT SIGNAL (+)
J2-C. SUPPLY & OUTPUT (RTN)
J2-D. SPARE
J2-E. SPARE

NOTE:

1. RECOMMENDED MOUNTING HARDWARE #8 SCREW, #8 SPLIT LOCKWASHER AND #8 FLAT WASHER. TORQUE MAXIMUM 18 IN-LB.

PART NUMBER	RANGE	OVERLOAD
S1060-10	0 to ± 10Vdc	±300Vdc
S1060-50	0 to ± 50Vdc	±300Vdc
S1060-60	0 to ± 60Vdc	±300Vdc
S1060-75	0 to ± 75Vdc	±300Vdc
S1060-100	0 to ± 100Vac	±300Vdc
S1060-150	0 to ± 150Vdc	± 300Vdc
S1060-300	0 to ± 300Vdc	± 600Vdc
S1060-500	0 to ± 500Vdc	± 1000Vdc
S1060-750	0 to ± 750Vdc	± 1500Vdc
S1060-1000	0 to ± 1000Vdc	± 1500Vdc
S1060-1200	0 to ± 1200Vdc	± 1800Vdc
S1060-1500	0 to ± 1500Vdc	± 2000Vdc
S1060-2000	0 to ± 2000Vdc	± 3000Vdc

INPUT

RANGE See Table
OVERLOAD CONTINUOUS See Table
OVERLOAD TRANSIENT 6KVdc for 100µ-sec.
ISOLATION 4.5KV RMS 60Hz For 1 min.
BURDEN @ FULL SCALE 500uA typ, 100uA typ for the 10V range.

OUTPUT

VOLTAGE SIGNAL 0 to +5Vdc FS (Full Scale)
ACCURACY ±0.5% FS (±25mV max.) over temp. range.
POLARITY SENSING 0 to +5Vdc proportional to the absolute. Value of the input voltage.
RESPONSE (10 to 90%) 500u-sec. max.
OUTPUT IMPEDANCE 50 Ohms max.
OUTPUT LOAD 5K Ohms min.
VOLTAGE SIGNAL @ OVERLOAD 7Vdc Typ.
ISOLATION MODE REJECTION RATIO >80db @ 60Hz

POWER SUPPLY

SUPPLY VOLTAGE +14Vdc to +32Vdc
CURRENT DRAIN 17mA max.
SUPPLY TRANSIENT ±80Vdc for 1m-sec.
REVERSE POLARITY PROTECTED 10uA max. current drain without damage.

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE -40° to +85°C
STORAGE TEMPERATURE -45° to +85°C
OPERATION HUMIDITY 0 to 100% relative humidity.
SHOCK & VIBRATION 20g shock, 10g @ 5-200Hz
INSULATION RESISTANCE 500M-Ohms @ 500Vdc
DIELECTRIC STRENGTH 1.5Kv RMS 60Hz Continuous.
CASE (UL Flammability rating 94VO) Thermoplastics Cycolac ABS
WEIGHT 1.5 lbs. max.

AAC	DRAWING NUMBER 700-S1060	REV D
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