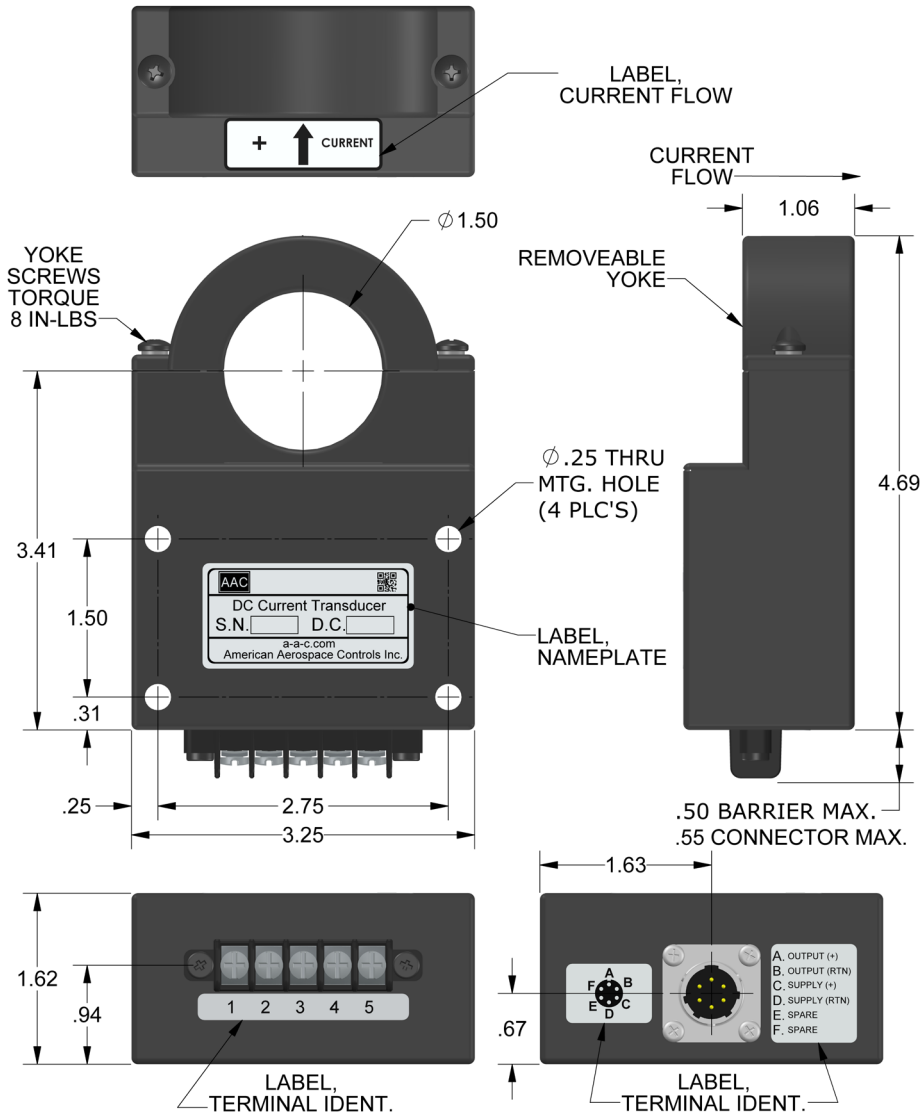


DC CURRENT TRANSDUCER

SERIES S465

REMOVABLE YOKE TYPE (Clamp On)
LOOP POWER TWO WIRE & FOUR WIRE OPERATION
4 TO 20 mA OUTPUT



ORDERING INFORMATION

PART NUMBER	CURRENT RANGE	PART NUMBER	CURRENT RANGE
S465-100	0 to 100ADC	S465-750	0 to 750ADC
S465-150	0 to 150ADC	S465-1000	0 to 1000ADC
S465-200	0 to 200ADC	S465-1500	0 to 1500ADC
S465-250	0 to 250ADC	S465-2000	0 to 2000ADC
S465-500	0 to 500ADC	S465-2500	0 to 2500ADC

INPUT

INPUT RANGE ADC See Table
 OVERLOAD CONTINUOUS Unlimited (Nondestructive Non-latching/Saturated Output)

OUTPUT

CURRENT SIGNAL 4 to 20mADC FS (Full Scale)
 ACCURACY ± 1% FS or ±0.2mA max.
 TEMPERATURE COEFFICIENT ± 0.033% FS/°C max.
 RESPONSE (10 to 90%) 200us max
 LOAD RESISTANCE 250 Ohms Nominal
 LOAD RESISTANCE RANGE 0 to 300 Ohms
 CURRENT SIGNAL @ OVERLOAD 24mA typical

POWER SUPPLY

SUPPLY VOLTAGE 16 to 26VDC
 CURRENT DRAIN 24mA
 PROTECTION Reverse Polarity Protected

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE -40°C to +85°C
 STORAGE TEMPERATURE RANGE -45°C 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 94 V-0
 WEIGHT 18 oz./510 grams max

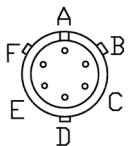
NOTE 1: HOUSING AND POT HOLES SEALED MAKING TRANSDUCER WATER SPRAY RESISTANT. END USER MUST COAT TERMINAL BLOCK WITH SILICONE TO PREVENT CORROSION.

NOTE 2: NORMALLY SUPPLIED WITH 5 PIN TERMINAL BARRIER STRIP. MOLDED TERMINAL BLOCK WITH 6-32 TERMINAL SCREWS, .325 IN. CENTER TO CENTER SPACING. ACCEPTS WIRE SIZES UP TO 16AWG AND WIRE LUGS TO .250 IN. WIDE. AVAILABLE WITH 6 PIN OPTIONAL CONNECTOR. ADD -C AFTER PART NUMBER FOR CONNECTOR OPTION.

TERMINAL IDENTIFICATION

BARRIER	CONNECTOR
1 OUTPUT (+)	A
2 OUTPUT (RTN)	B
3 SUPPLY VOLTAGE (+)	C
4 SUPPLY VOLTAGE (RTN)	D
5 SPARE	E
SPARE	F

CONNECTOR
 PT02E-10-6P-023
 OR EQUIVALENT
MATING CONNECTOR
 PT06A-10-6S-424
 OR EQUIVALENT



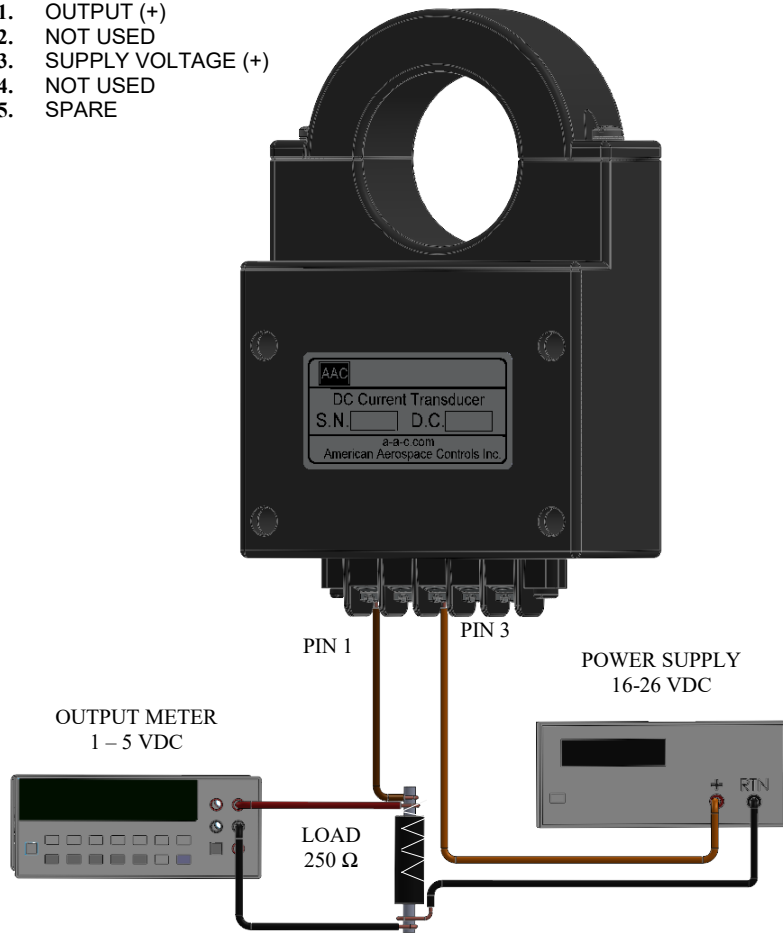
Features:

- High precision current measurement capability. (0.5% over temperature range)
- 2 or 4 wire operation.
- 4 models for current measurements of 150 TO 2500 ADC.
- Galvanic isolation between current input and output signal.
- Wide temperature range -40°C TO $+85^{\circ}\text{C}$.
- Easy clamp on design.
- 5 Year warranty.

TYPICAL TWO WIRE LOOP POWERED HOOK UP

TERMINAL IDENTIFICATION

1. OUTPUT (+)
2. NOT USED
3. SUPPLY VOLTAGE (+)
4. NOT USED
5. SPARE



DC CURRENT TRANSDUCER SERIES S465 REMOVABLE YOKE TYPE (Clamp On) LOOP POWER TWO WIRE & FOUR WIRE OPERATION 4 TO 20 mA OUTPUT

TYPICAL FOUR WIRE HOOK UP

TERMINAL IDENTIFICATION

1. OUTPUT (+)
2. OUTPUT (RTN)
3. SUPPLY VOLTAGE (+)
4. SUPPLY VOLTAGE (RTN)
5. SPARE

