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

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>CURRENT RANGE</th>
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<th>CURRENT RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>S465-150...</td>
<td>0 to 150ADC</td>
<td>S465-1000...</td>
<td>0 to 1000ADC</td>
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<tr>
<td>S465-250...</td>
<td>0 to 250ADC</td>
<td>S465-1500...</td>
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<tr>
<td>S465-500...</td>
<td>0 to 500ADC</td>
<td>S465-2000...</td>
<td>0 to 2000ADC</td>
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<tr>
<td>S465-750...</td>
<td>0 to 750ADC</td>
<td>S465-2500...</td>
<td>0 to 2500ADC</td>
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</tbody>
</table>

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 TRANSUCER 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.
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° 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

TYPICAL FOUR WIRE HOOK UP

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

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