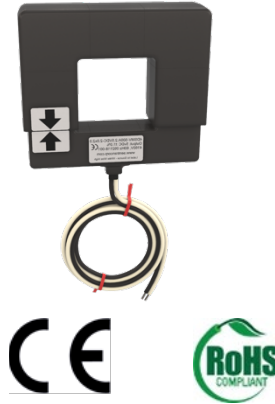


# Model 4DSMV Medium Voltage(4160V) Split AC Current Transducer 2.5, 5 or 10VDC Output

## Features

- Made in the USA Established in 1993
- Input Range: 100A to 10,000A
- VDC Output Proportional to AC Input
- Accuracy Class 1.0
- No Power Supply Required
- 0.5% Ripple standard
- Window Sizes (INCHES):
  - 1.5, 2.0, 2.5, 3.0, 4.0
  - Custom Sizes available



The Model 4DSMV is a medium voltage current transducer, rated to 4,160 VAC and provides a DC voltage output. This model will convert only sinewave current for true RMS conversion, not non-sinewave waveforms. The output voltage is calibrated to 2.5, 5 or 10VDC using an internal load resistor with filter capacitors (the same as an AC to DC power supply). The output will change if the metering input impedance changes the internal calibration load resistance. Therefore the metering instrument must have a high input impedance. Contact Sentran Corporation if you need the transducer calibrated to your instrumentation. There is a tradeoff between ripple and response time.

## Specifications

<i>Input Current</i>	100 to 10,000 Amps, Sinewave, Single Phase 50/60Hz
<i>Voltage Rating</i>	4160VAC with cover installed
<i>Output</i>	2.5, 5, 10VDC at Full Range input (AC Sine Waves Only)
<i>Ratio and Linearity Accuracy</i>	+/- 1 % from 10% to 100%
	+/- 3% at 5% of Full Scale
	+/- 5% at 2% of Full Scale
<i>Response Time</i>	Approximately 50 Milliseconds from 10% to 90% of amplitude for CT's over 100A
<i>Ripple</i>	0.5% is standard, lower at the sacrifice of response time (filtering increases response time)
<i>Bandwidth</i>	50Hz or 60Hz
<i>Interface Resistance</i>	Depends on current rating – Contact Sentran Corporation for details
<i>Temperature Range</i>	-20°C to 55°C
<i>Temperature Coefficient</i>	Less than 0.05% from -20° C to 55° C
<i>Construction</i>	Polycarbonate, ultrasonic welded and encapsulated plastic
<i>Lead Wires</i>	10kV or higher rated lead wire, Black.Red

## Window Sizes

4DSMV-2.5VDC

2.0X2.0	
100A	2.5VDC
200A	2.5VDC
500A	2.5VDC
1000A	2.5VDC

4DSMV-5VDC

1.5X1.5	
50A	5VDC
100A	5VDC
200	5VDC
2.0X2.0	
1000A	5VDC
3.0X3.0	
50A	5VDC
100A	5VDC
400A	5VDC

4DSMV-10VDC

1.5X1.5	
150A	10VDC
2.0X2.0	
100A	10VDC
3.0X3.0	
150A	10VDC
400A	10VDC
6.0X6.0	
200A	10VDC
250A	10VDC
400A	10VDC
500A	10VDC