

# Model 4MSMV

Medium Voltage (4160V)  
Split AC Current Transducer  
0-20mA or 4-20mA

- **Input Range: 100A to 1500A**
- **Current Output Proportional to AC Input**
- **Accuracy Class 1.0**
- **Windows from 0.5" to 4"**
- **Only Two Wires Required (The Loop)**



The Model 4MSMV is a medium voltage 4160VAC current transducer with an internal 0-20mADC or 4-20mADC loop transmitter that requires only two wires (the loop). The CT uses proportional conversion to obtain a true RMS DC signal from a pure sine wave. This product should not be used for Non-sine wave current – please use a true RMS current transducer. The output current is a standard process control 0-20mA or 4-20mA (select one when ordering). The output requires an external resistor between 200 to 1000Ω as a load resistor for the loop

## Specifications:

<b>Input Current</b> .....	1500AC current max, sine wave, single phase 50/60/400Hz
<b>Voltage Rating</b> .....	4160VAC, with cover installed
<b>Output</b> .....	0-20mADC or 4-20mADC
<b>Ratio and Linearity Accuracy</b> .....	+/- 1% from 10% to 100% +/- 3% at 5% of Full Scale +/- 5% at 2% of Full Scale
<b>Response Time</b> .....	Approximately 50 milliseconds from 10% to 90% of amplitude for CT's over 100A
<b>Bandwidth</b> .....	50Hz to 400Hz
<b>Loop Voltage Source</b> ...	10 to 24VDC normally provided by loop receiver – adjust resistor size accordingly
<b>Temperature Range</b> .....	-20°C to 55°C
<b>Rating Factor</b> .....	1X to 55°C
<b>Construction</b> .....	Polycarbonate, ultrasonic welded and encapsulated plastic
<b>Lead Wires</b> .....	10kV or higher rated lead wire, Black/White

**Custom made units: Since we offer many different custom sizes, please request a drawing for the particular size you order.**

Issued: May 31, 2019

**SENTRAN**  
CORPORATION

1545 Commercial St NE, Salem, Oregon 97301  
503-370-7377 1-888-390-2621 [www.sentrancorp.com](http://www.sentrancorp.com)