

**MODEL 4MOS Outdoor Rated IP68
Split Core and Non –Split Core
Current Transducer, Many Sizes
4-20mA loop current Output**



- **Enhanced version of indoor Model 4MS current transducer.**
- **Uses non-corrosive magnetic core, fully encapsulated.**
- **Rated IP68 for outdoor use on insulated conductors.**
- **Non-split core version available for non-insulated conductors.**

Our standard 4MOS split core current transducers is a re-configured Model 4MS and can be manufactured to practically any shape to meet unique applications and to accommodate input currents up to 6000A. The Model 4MOS uses non-corrosive magnetic core material and is internally encapsulated to meet IP68 for outdoor installations on insulated conductors. The current transducer housings are injection molded for window openings from 0.5” to over 12” using our proprietary molding process. Busbar sizes in various rectangular and square shapes are also available. Red and black interconnecting leads are standard but terminals blocks can be provided. The standard Model 4MOS transducer is available with 4-20mA output for a wide range of input resistances from 250 to 1200 ohms. An external power supply of 10 to 24VDC output is required for the loop battery and internal circuitry of the transducer. For a true rms conversion of non-sinewave input currents use our Model TRMS series.

Specifications:

Input Current: 6000 AC max, sine wave, single phase 50/60Hz

Voltage Rating: 600Vac tested at 2.5KVAC.

Output Loop Current: 4-20mA. The conversion is true rms for AC sine waves.

Ratio and Linearity: Accuracy is +/-1% from 10% to 100%/ +/-3% @ 5% of Full Scale

Loop Voltage Source: 10 to 24VDC normally provided by the loop receiver – adjust resistance according to receiver.

Output Resistance: Depends on your loop receiver instrumentation. Contact us with any questions or comments.

Temperature Range: -40°C to +70°C

Lead Wires: 22 AWG, 8 ft. twisted, Black/Red per UL1015, shielded or sheathed cables are optional.

Terminal Block Connection: Available as an option.

Construction: Polycarbonate plastic, tough and UV resistant.

How to Order (All units made to order):

Create Part Number: 4MOS-XXXX: YY-WxL, OPSP, OPNS

Where OP=Option, OPSP =Split Core, OPNS= Non-Split Core

XXXX= up to 6000A, YY= 420mA-WxL

W= Window opening width, L=Window opening up/down

Use proprietary universal molding and welding technology

