

EM-M20 POTENTIOMETER CONVERTER FOR 4...20 mA CURRENT LOOP



FEATURES:

- Wide operating voltage range
- Operates in current loop
- Selectable filtering
- Adjustable zero and gain
- Over voltage protected
- Incorrect polarity protected
- Easy to connect
- Rail mountable

EM-M20 converts the position information of a potentiometer to milliampere signal (4...20 mA). Converter acquires its operating voltage from the current loop and needs no additional supply. Adjustments have no mutual effect. This makes the adjusting more easy and faster. The filtering can be selected from four alternatives to be suitable for different applications. Versatile protection circuits protect the converter from interfering peaks, over voltage and incorrect connections.

TECHNICAL DATA:

Supply	12...32 Vdc
Output range	4...25 mA
Linearity error	< 0.1 %
Thermal drift	< 50 ppm/°C
Current loop resistor	0...800 ohm
Potentiometer	> 1 kohm
Usable potentiometer	1...10 kohm
High frequency limit	1, 10, 100, 1000 Hz
Oper. ambient temp.	0...60 °C

