## **EM-M19 POTENTIOMETER CONVERTER**



## **FEATURES:**

- Five different output signals
- Supply isolated from signal
- Regulated potentiometer supply
- For potentiometers 1 ... 47 kohm
- Adjustable zero and gain
  Short circuit protected output
- Rail mountable

EM-M19 supplies a regulated voltage for potentiometer. The voltage signal from the potentiometer is filtered and amplified. The output range may be selected from five different alternatives. Output signal is easily set with DIL-switches. The supply is galvanically isolated from the output signal. This permits flexible installation to different systems. The output stage is short circuit protected. Operating voltage inputs are protected against incorrect polarity.

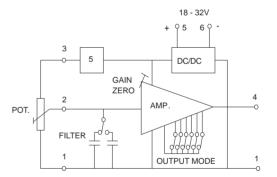
## **TECHNICAL DATA:**

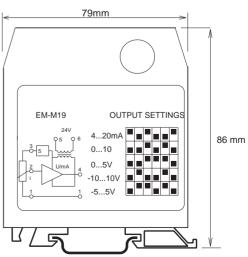
Supply Current consumption Linearity error Thermal drift Potentiometer Pot.meter supply Frequency range Output ranges

Adjust ranges

Isolation voltage Oper. ambient temp.

18...32 Vdc 50 mA max. < 0.2 % < 100 ppm/°C 1...47 kohm 5 Vdc (10 mA max.) 5 vdc (10 mA max.) DC...10 Hz (1000 Hz opt.) 4...20 mA (RL 0...500 ohm) 0 ... 10 V (RL > 1 kohm) 0...5 V (RL > 1 kohm) -10...10 V (RL > 1 kohm) -5...5 V (RL > 1 kohm) Gain ± 30 % Zero 50 % 500 V 0...50 °C





WIDTH OF THE HOUSING IS 25 MM



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