

# 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	18...32 Vdc
Current consumption	50 mA max.
Linearity error	< 0.2 %
Thermal drift	< 100 ppm/°C
Potentiometer	1...47 kohm
Pot.meter supply	5 Vdc ( 10 mA max. )
Frequency range	DC...10 Hz ( 1000 Hz opt. )
Output ranges	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 )
Adjust ranges	Gain ± 30 % Zero 50 %
Isolation voltage	500 V
Oper. ambient temp.	0...50 °C

