

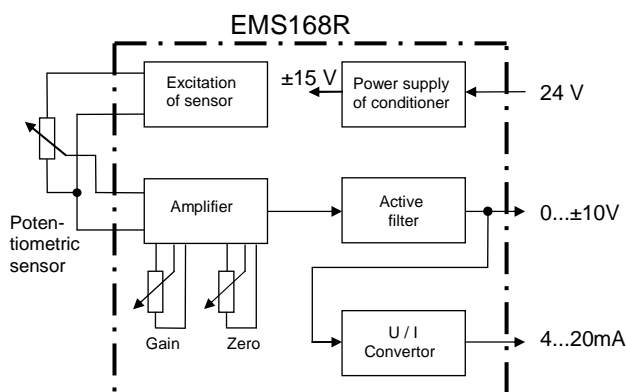
SIGNAL CONDITIONER FOR POTENTIOMETRIC SENSORS

Special features

- Voltage excitation of sensor
- Adjustment via two potentiometers
- Plastic enclosure for mounting on DIN rails or through two screws



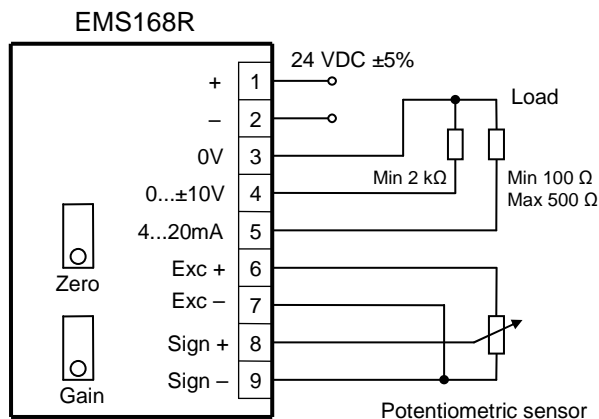
Block diagram



Specifications

| | |
|--|------------------|
| Accuracy class | 0,2 |
| Resistance of sensor | |
| - Min | 100 Ω |
| - Max | 1 MΩ |
| Excitation of sensor | |
| - Voltage excitation | 2,5 VDC |
| - Max current | 25 mA |
| Amplifier | |
| - Zero adjustment | 0 ... ±2,5 V |
| - Input offset voltage drift | 1 μV / °C |
| - Thermal sensitivity drift | 150 ppm / °C |
| - Non-linearity | 0,05 % FS |
| Active filter, 2nd order | |
| - frequency range | 20 Hz |
| Output voltage | |
| - Range | 0 ... ± 10 V |
| - Min load impedance | 2 kΩ |
| Output current | |
| - Range | 4...20 mA |
| - Min load impedance | 100 Ω |
| - Max load impedance | 500 Ω |
| Power supply | |
| - Range | 24 VDC ± 5% |
| - Max current consumption (without sensor) | 30 mA |
| Temperature range | |
| - Operating | - 10 ... + 50 °C |
| - Storage | - 40 ... + 85 °C |

Wiring diagram



Outline Dimensions (mm)

