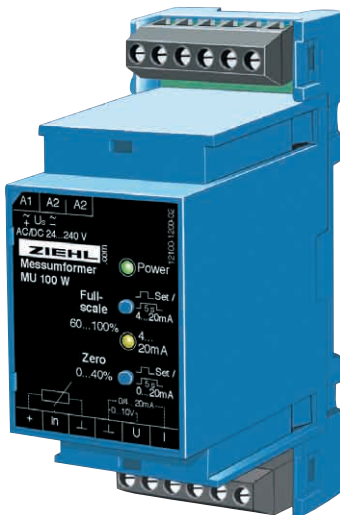


Measuring-Transducer for Potentiometers

MU100W for 0-500 Ω ... 0-10 k Ω

MU100W



The MU100W measuring transducer converts the position of a potentiometer into a linear signal 0/4-20 mA respectively 0-10 V. Zero can be easily scaled 0...40 %, FullScale 60 ... 100 % of the range of the potentiometers by pressing a button.

The built-in universal power-supply AC/DC 24-240 V allows the connection to all common supply-voltages. The output delivers 0/4 ... 20 mA and 0 ... 10 V simultaneously.

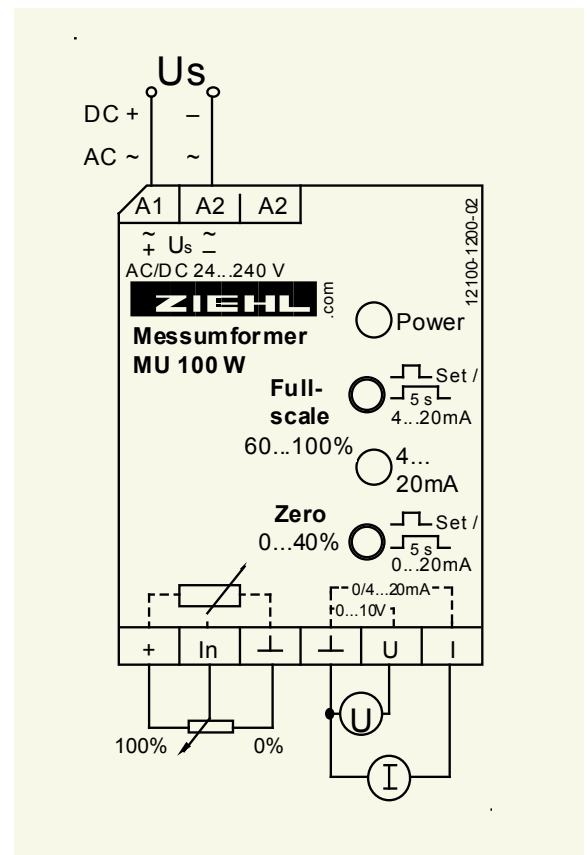
Applications are the creation of adjusting commands or the detection of mechanical elements, e.g. flaps.

- Connection of a potentiometer 0...500 Ω to 0...10 k Ω
- Zero adjustable 0 ... 40 % of Scale
- FullScale adjustable 60 ... 100 % of Scale
- Easy adjusting of zero and FullScale by pressing a button
- Analog output 0 ... 20 mA / 4 ... 20 mA
- Analog output 0 ... 10 V
- LEDs for display of operative state

- Universal supply AC/DC 24-240 V
- Housing for DIN-rail or wall-mount, 70 mm wide,
- mounting height 55 mm

Order-number

T236041



Technical Data

Rated supply voltage U_s
Tolerance DC
Tolerance AC

AC/DC 24V...240 V, 0/50/60 Hz, < 3 W, <5 VA
DC 20...297 V
AC 19...264 V

Measuring input
Measuring current/ -voltage

Resistance-potentiometer 0...500 Ω to 0...10 k Ω
6,6 mA ... 330 μ /3,3 VA

Analog output

DC 0...10 V, min. 1 k Ω
DC 0/4...20 mA, max. 500 Ω

Error
Temperature factor

< \pm 1%
0-10 V: < 0,01 %/K, 0/4-20 mA: < 0,015 %/K

Test conditons
Rated impulse withstand voltage
Contamination level
Rated insulation voltage
Rated ambient temp. range

EN 50178 / EN 60947
4000 V
3
250 V
-20 ... +60 $^{\circ}$ C

Dimensions (h x w x d)
Weight
Attachment
Protection housing / terminals

design V2: 90x35x58 mm, mounting height 55 mm
app. 130 g
on DIN-rail 35 mm or with screws M4
IP 20 / IP 30

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