

MUP 080

TRANSMITTERS TO DIN RAIL

1. DESCRIPTION



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The MUP 080 model range are transmitters to DIN rail.

MUP 080 Linear poten. ⇔ analog output
(4...20mA or 0...10V)

The transmitter is cased in a plastic DIN box with a screw terminal board. It is to be mounted to a rail of 35 mm in width.

SAFETY INSTRUCTIONS

Please, read the enclosed safety instructions carefully and observe them! These instruments should be safeguarded by either individual or shared fuses (circuit breakers) with respect to their actual power consumption! For safety information the EN 61 010-1 + A2 standard must be observed. This instrument is not explosion-safe!

Our products are regularly not approved for aeronautic or aerospace applications and are not allowed to be used in nuclear or military, in particular ABC-relevant applications. For more information see our Terms and Conditions

TECHNICAL DATA

Transmitters of the MUP 080 series conform to the European regulation No. 2014/35/EU and No. 2014/30/EU.

They are up to the following European standards:
EN 61326-1

The instrument is suitable for non-restricted use in agricultural and industrial areas.

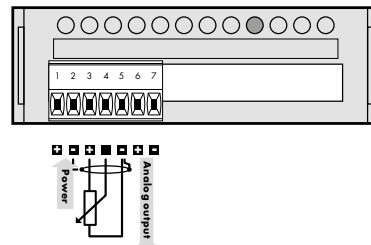
2. CONNECTION

The power input leads should not be in the proximity of the incoming low-potential signals.

Contactors, motors with larger input power and other efficient elements should not be in the proximity of the instrument.

The lead into the input of the instrument (the measured quantity) should be in sufficient distance from all power leads and appliances. Provided this cannot be secured, it is necessary to use shielded leads with connection to ground.

The instruments are tested in compliance with standards for use in industrial areas, yet we recommend to abide by the above mentioned principles.



! Analog output (4...20 mA)
Compensation of conduct up to 500 Ohm

3. TECHNICAL DATA

Input

Lin. potentiometer: 0.5...100 kOhm
Pot. power supply: 10 V, ±0,2 %

Instrument accuracy

TC: 25 ppm/°C
Accuracy: ±1 % of range
Overload capacity: 10x (t < 30 ms); 2x
Calibration: at 23°C and 40 % r.h.

Analog output

Type: fixed amplification
Non-linearity: 0.15 % of the range
Rate: response to change of value < 15 µs
Voltage: 0...10 V, max. load 1 kOhm
Current: 4...20 mA, compensation of conduct up to 500 Ohm
Ripple: 5 mV of residual corrugation upon input signal 10 V

Power supply

18...30 VDC, ±10%, max. 2,5 W

Mechanic properties

Material: PA 66S, incombustible UL 94 V0, green
Dimensions: 90.5 x 79 x 25 mm
Installation: to DIN rail, width 35 mm

Operating conditions

Connection: connector terminal board - conductor section up to 1.5 mm²
Stabilizat. period: within 15 minutes after switch-on
Working temp.: -20°...60°C
Storage temp.: -20°...85°C
Cover: IP 20 (NEMA 1)
El. safety: EN 61010-1, A2
Dielectric strength: 1.5 kV after 1 min between supply and input/output
Insulation resist.: for pollution degree II, measuring cat. III.
power supply > 550 V (ZI), 255 V (DI)
EMC: EN 61326-1

4. WARRANTY CERTIFICATE

Product: **MUP 080**

Manufact.No.:

Date of sale:

For this instrument applies a warranty period of 24 months of the date of sale to the user. Defects occurring during this period due to manufacturing error or due to material faults shall be eliminated free of charge.

For instrument quality, function and construction the warranty shall apply provided the instrument was connected and used accurately in compliance with the instructions for use.

The warranty does not apply to defects caused by:

- mechanical damage
- transportation
- intervention of unqualified person including the user
- irreversible event
- other unprofessional interference

The manufacturer performs warranty and post-warranty repairs unless provided for otherwise.