



MV-U2 10V.10V

Standard function: IN 0-5V =OUT A 0-10V, 0-20mA  
 outA/B sequence, IN 5-10V =OUT B 0-10V, 0-20mA  
 Special function: IN 0-5V =OUT A 10-0V, 20-0mA  
 cooling / heating, IN 5-10V =OUT B 0-10V, 0-20mA

## Terminal

Plug-screw terminal 8pin  
 max. 2,5 qmm

2x Adjust gain slope  
 2x Adjust offset / zero  
 2x LED output

A/B1: output 1/3, + 10V  
 A/B2: output 1-4, -, GND  
 A/B3: output 2/4, + 20mA

4: input + 10V  
 5: input - 10V

6: out +22V  
 supply for ext. transmitter

7-8: supply 24V AC/DC

LED power supply

## Technical Data

Input, pin 4-5 0-10V or 2-10V, max.40V  
 Input load impedance 1 M Ohm

Output, pin 6 +22V DC, max. 30mA  
 Supply for ext. transmitter (3 wire sensor)

Output 1/3, pin A/B1-2 0-10V or 2-10V DC  
 Output current max. 20mA

Output 2/4, pin A/B 2-3 0-20mA or 4-20mA DC  
 Output load resistor max. 800 ohm, pin A/B2-3

Precision 0,2%  
 Power supply 24V AC/DC, +-15%  
 Power current max. 140mA  
 Isolation supply 500 Vss  
 Operating temperature -10 - +50°C  
 Storage temperature -30 - +80°C  
 Construction PCB mount. TS35, EN50022  
 Weight 140g  
 Dimensions 48 x 72 x 94 mm (WxHxD)

Buffer amplifier, converter for DC voltage input. Gain correction, offset-correction effect parallel shifting of the curve.  
 Order the input and the output value for calibration, 0-10V to 0-10V / 0-20mA or 2-10V / 4-20mA.  
 No electrical isolation between Input and Outputs. Pin 2 and pin 5 are internal jumpered (GND). See sheet AN B100.  
 Electrical isolation to power supply. LED green = power supply, 2x LED red = output values.

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**B 101.1**

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### **MEASURING AMPLIFIER MV-U2 .. . .**

1x input → 2x output. Order input and output values, see function.

Input 0-10V or 2-10V DC  
 Output 1/3 0-10V or 2-10V DC  
 Output 2/4 0-20mA or 4-20mA DC  
 Power supply 24 V AC/DC