



MV-U-BR / S51

Terminal

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

Adjust offset /Zero
LED red/green: output

B1: output +
B2: output - (GND)

Bridge connection :
B3: bridge supply +
B4: input +
B5: input -
B6: bridge supply - (GND)
A1-2: GND internally (shield)
A3-4: RC to GND (shield)

A7-8: power supply 24V

LED green power supply

Technical Data

Input, pin B4-5	0-20mV DC to order (V = 1000)
Gain slope	max. 600Hz (min. - max.)
Operating frequency	
Bridge supply, pin B3 / 6	10V DC
Bridge current	max. 250mA
shield A1-2	internally GND (pin B2)
shield A3-4	RC (1M/0,1µF) to GND
Output 1, pin A1-2	-10V - 0 - +10V DC
Output current	max. 20mA
Precision	0,1%
Power supply	24V AC/DC, +-5%
Power current	max. 280mA
Isolation, supply	500 Vss
Operating temperature	-10 - +50°C
Storage temperature	-30 - +80°C
Construction	PCB mount. TS35, EN50022
Weight	192g
Dimensions	48 x 72 x 94 mm (WxHxD)

Converter for measuring bridge (Weatstone bridge), bridge voltage 10V.

Offset-correction affects parallel shifting of the curve, see sheet AN B100.

Electrical isolation to power supply. LED green = power supply, LED red/green = output value -/+.

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MEASURING BRIDGE CONVERTER MV-U-BR/S51

Input	0-20mV (or to order)
Bridge voltage	10V DC
Output	-10V - 0 - +10V
Power supply	24 V AC/DC