

WAVEANALOG PRO Bridge

- 3-way-isolation
- Input and output selectable by DIP switches
- No adjustment required
- Inverse output signals possible

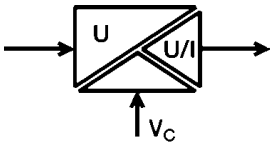
Approvals:



PRO Bridge



Schematic circuit diagram



Ordering data

Screw clamp connection

Tension clamp connection

Technical data*

Input

Bridge input voltage (selectable by DIP switches)

Input resistance

Output

Output voltage (selectable by DIP switches)

Load resistance (Voltage output)

Output current (selectable by DIP switches)

Load resistance (Current output)

Wire break detection

Status indication

Accuracy

Temperature coefficient

Response time

Bridge supply voltage

Coordination of insulation according to EN 50178, 04/98

Rated voltage

Rated surge voltage

Overvoltage category

Contamination class

Clearance and creepage distance

Test voltage

General Data

Voltage supply

Power consumption

Current carrying capacity of cross-connection

Operating temperature

Storage temperature

Standards/Specifications

EMC standards

Factory setting

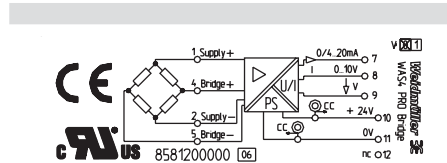
Dimensions W/L/H mm (in.)

Weight

Approvals

* Tu 23 °C, single module

Application



Type

WAS4 PRO Bridge

Part No.

8581200000

WAZ4 PRO Bridge

8581210000

0...10 mV, 0...20 mV, 0...50 mV, 0...100 mV, 0...200 mV, 0...500 mV, -10...10 mV, -20...20 mV, -50...50 mV, -100...100 mV, -200...200 mV, -500...500 mV > 1 MΩ

0...5 V, 5...0 V, 10...0 V, 0...10 V

≥ 1 kΩ

0...20 mA, 20...0 mA, 4...20 mA, 20...4 mA

≤ 600 Ω

output: 0 V or 0/4 mA

Power on: LED green

0.3% of full scale

± 250 ppm/K of full scale

typ. < 200 ms

+10 V, +5 V, 4.8...10.2 V man. adjustment and offset possible

300

2 kV

III

2

3 mm

2 kV_{eff}

18 VDC ... 24 VDC ... 30 VDC

max. 1.6 W @I_{out}=20 mA

≤ 2 A

0°C...+55 °C

-20°C...+85 °C

EN 50178

EN 61000-6-2, EN 50081-2

-500 mV...+500 mV/0...10 V/+ 10 V/standard

17.5/92.4/112.5 (0.69/3.64/4.43)

100 g



Input voltage	SW 1									
	1	2	3	4	5	6	7	8	9	10
0...10 mV										
0...20 mV										■
0...50 mV									■	■
0...100 mV									■	■
0...200 mV									■	■
0...500 mV									■	■
-10 mV...10 mV									■	■
-20 mV...20 mV									■	■
-50 mV...50 mV									■	■
-100 mV...100 mV									■	■
-200 mV...200 mV									■	■
-500 mV...500 mV									■	■
output										
0...+10 V									■	■
0...+5 V									■	■
0...20 mA									■	■
4...20 mA									■	■
Bridge supply voltage										
+10V									■	■
+5V									■	■
+4.8...+10.2V adjustable									■	■
+4.8...+10.2V adjustable man. adjustment and offset possible									■	■
Transmission method										
standard output signal										■
inverse output signal										■

■ = on
□ = off

