

## ACT20P ACT20P-BRIDGE-S

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The ACT20P bridge converts bridge measurement signals into standard signals. A push button is used to adjust to the load cells.

The bridge-measuring transformer can supply up to 4 x 350  $\Omega$ .

This device can carry out simple tare calibrations via a separate input for an external button or PLC outputs. The 6-wire connection mechanism and the very high accuracy (0.05% of the measuring range's end value) make it possible to evaluate the measurement very precisely.

The simple and secure on-site calibration uses the push-buttons under the hinged front panel.

### Features:

- 3-way isolation
- Supply for measuring bridges up to 4 x 350  $\Omega$
- Simple calibration of the tare weight using external button or PLC input
- Input and output ranges adjustable via DIP switch
- Intelligent pluggable connection method

### General ordering data

Type	ACT20P-BRIDGE-S
Order No.	<a href="#">1067250000</a>
Version	ACT20P, Measuring bridge converter
GTIN (EAN)	4032248820856
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Length	119.2 mm	Width	22.5 mm
Height	113.6 mm	Net weight	156.9 g

### Temperatures

Humidity	10...90 % (no condensation)	Operating temperature	-40 °C...+70 °C
Storage temperature	-40 °C...+85 °C		

### Probability of failure

MTTF	543 Years
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### Input

Sensor supply	120 mA @ 10 V (= 4 x 350 Ω bridge resistors)	Supply voltage	10...60 V DC
Type	Resistance measuring bridge	Input measurement range	± 10 mV / ± 20 mV / ± 30 mV / ± 50 mV (adjustable)
Bridge supply voltage	5 V or 10 V	Bridge sensitivity	1.0 mV / V to 5.0 mV / V
Input resistance	> 1 MΩ	Sensor	Resistance measuring bridge

### Output

Type	Voltage and current output (configurable)	load impedance voltage	600 Ω
load impedance current	≤ 600 Ω	Output voltage, note	0 ... 11 V (adjustable)
Output current	0...22 mA (adjustable)		

### General data

Configuration	DIP switch	Linearity	Typically ± 0.05 % of signal range
Long-term drift	0.1 % / 10.000 h	Mounting rail	TS 35
Power consumption	3 W @ 24 V DC	Repeat accuracy	± 0.05% of signal range
Step response time	< 400 ms (10...90 %)	Supply voltage	10...60 V DC
Temperature coefficient	typ. 0.005 % / °C	Type of connection	Screw connection

### Insulation coordination

EMC standards	EN 61326	Impulse withstand voltage	4 kV (1.2/50 μs)
Insulation voltage	5.7 kV (input / output, input / supply)	Pollution severity	2
Rated voltage	300 V <sub>eff</sub>	Standards	DIN EN 61010-1, DIN EN 61000-4-2
Surge voltage category	III		

### Classifications

ETIM 3.0	EC002479	eClass 5.1	27-21-01-07
eClass 6.2	27-21-01-20	eClass 7.1	27-21-01-20

**Datenblatt****ACT20P  
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**Technische Daten****Approvals**

Approvals

**Downloads**

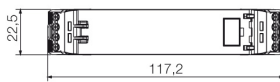
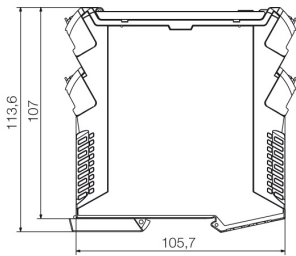
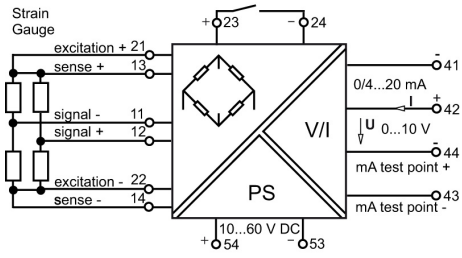
Manual	<a href="#">ACT20P_Bridge_Quickstart_english.pdf</a>
Package insert	<a href="#">Quickstart_german.pdf</a>
Declaration of Conformity	<a href="#">Declaration of Conformity.pdf</a>
EPLAN	<a href="#">1067250000.ema</a>
<a href="#">3D Modell</a>	

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**Zeichnungen**

**Electric symbol**



dimensions