

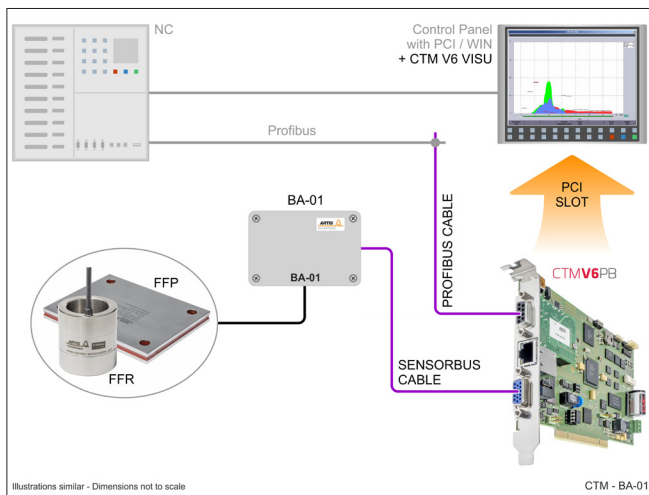
## BA-01 BRIDGE AMPLIFIER

### Properties

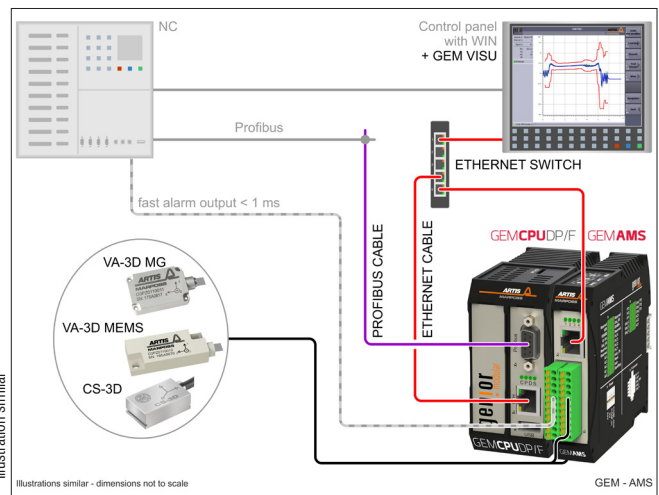
- Force measuring amplifier and measuring transducer for full bridges
- Suitable for all ARTIS monitoring systems
- Stand-alone operation also possible
- Rapid detection of material contact
- Switchable amplifier settings
- Balancing via external switching input
- Degree of protection IP65
- ARTIS CAN bus, ARTIS sensor bus



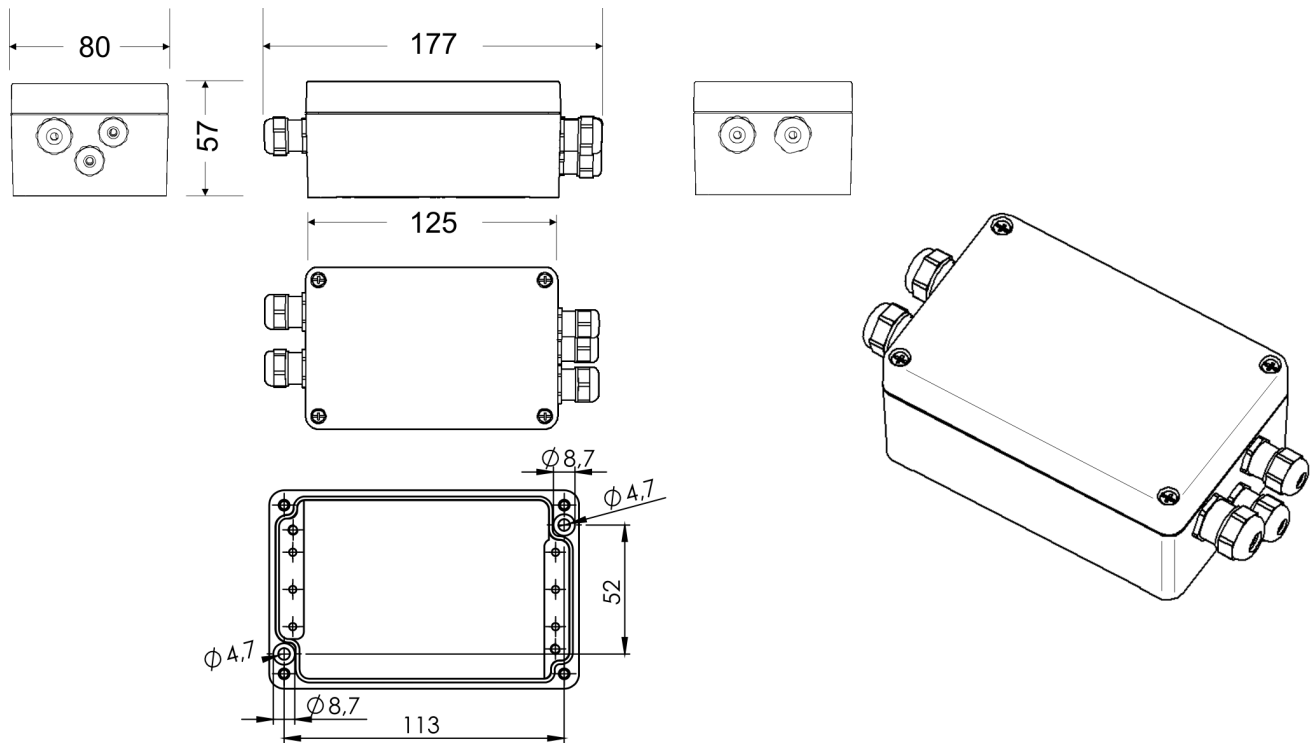
Illustration similar



Application example:  
**BA-01** and FFP/FFR sensor with the CTM Tool and Process Monitoring System



Application example:  
**BA-01** and FFP/FFR sensor with the GENIOR MODULAR Tool and Process System



CODE	O830Z811202
DIMENSIONS	see drawing
WEIGHT	0.576 kg
MATERIAL	die-cast aluminum, gray
DEGREE OF PROTECTION	IP65
CONTACTING	spring terminal blocks
OPERATING TEMPERATURE	0 – 50 °C
INSTALLATION	screw fastening
VOLTAGE SUPPLY	24 V DC (20 V – 36 V)
NOM. CURRENT CONSUMPTION	max. 250 mA
AMPLIFICATION	100...4000x
INTERFACES	optional: <ul style="list-style-type: none"> <li>CAN bus</li> <li>ARTIS sensor bus</li> </ul>
SUPPLY MEASURING BRIDGE	10 V / max. 42 mA
BRIDGE RESISTANCE	> 240 Ω

INPUT RANGE	±50 mV	
OUTPUT RANGE	±10 V	
OUTPUT IMPEDANCE	1 kΩ	
FREQUENCY RANGE	< 1 kHz	
AD CONVERSION	sampling 12 bit sliding averaging 2 kHz	
SWITCHING OUTPUTS	Out1	signal for material contact, open coll. output, 18 – 36 V DC, up to max. 150 mW
	Out2	reserved: open coll. output, 18 – 36 V DC, up to max. 150 mW
SWITCHING INPUT	IN	digital input low: 0 – 5 V high: 14 – 28 V
CONFORMITY	CE, UKCA	



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For a full list of address locations, please consult the Marposs official website

ODN6420EN09 – Edition 04/2022 – Specifications are subject to modifications  
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