

Special Features

- 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

BRIDGE AMPLIFIER

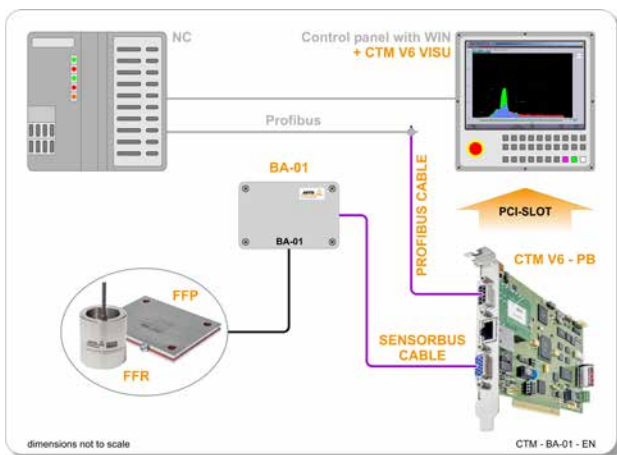


Illustration similar

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

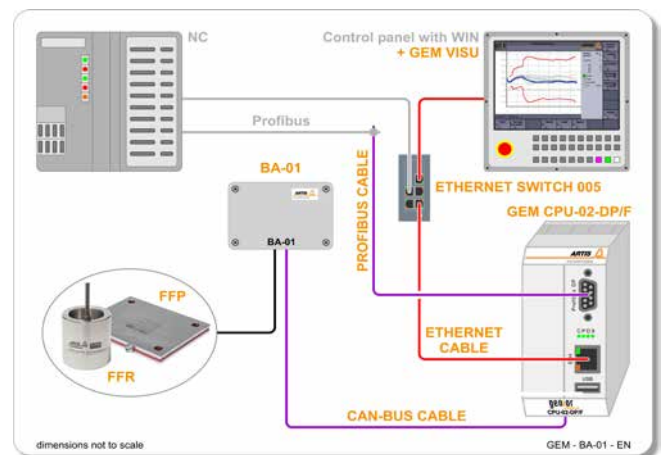
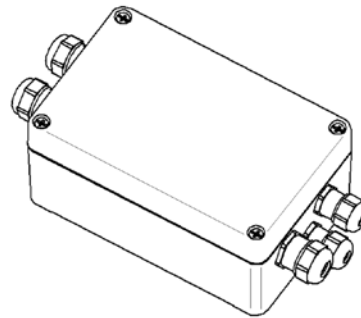
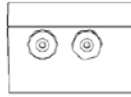
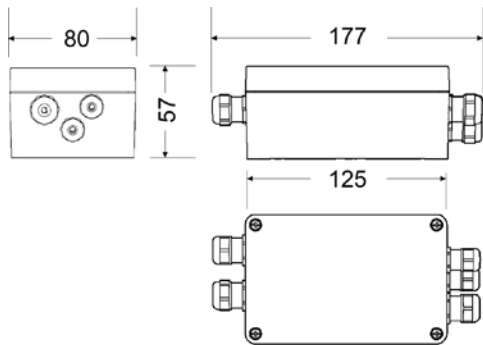


Illustration similar

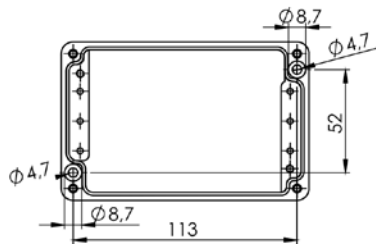
Application example:
BA-01 and FFP/FFR sensor with the GENIOR MODULAR Tool and Process System

Bridge amplifier

BA-01



Fastening options



BA-01 O830Z811202	
Dimensions	see drawing
Weight	576 g
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)
Nominal current consumption	max. 250 mA
Amplification	100...4000x
Interfaces	optional: <ul style="list-style-type: none"> • ARTIS CAN bus • ARTIS sensor bus
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, upt to max. 150 mW
Switching input	IN	Digital input low: 0 – 5 V high: 14 – 28 V
Conformity	CE	



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

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