

AED9201A

Basic device for
AD103C

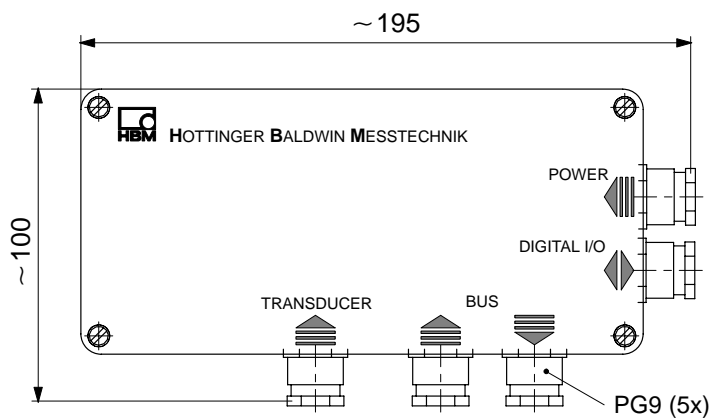
Basic device
AED9201A



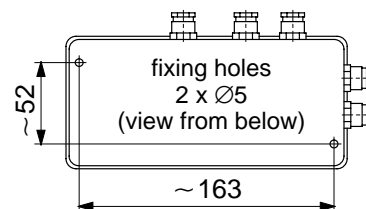
Special features

- RS-232 or RS-485 interfaces
- Two control and four limit value outputs
- Six control inputs / outputs (Dosing function)
- Test report for 10 000 digits class III in preparation
- 18...30 V Operating voltage range
- Degree of protection IP65
- EMC protection

Dimensions (in mm; 1 mm= 0.03937 inches)



The complete measuring chain incl. AED in the shielded assembly is immune from high-frequency radiation and cable-based interferences acc. to OIML R76, EN 45501 or EN 61326-1 (interference emission) and EN 61326-1+A1 (interference immunity) respectively



Specifications

Type		AED9201A	
Measuring amplifier		AD103C	
Measuring signal input		mV/V	±3, nominal ±2
Transducer connection:			
Strain gage transducer (full bridge)	Ω	≥80...4000 ¹⁾	
Transducer connection		6-wire circuit	
Transducer cable length	m	≤100	
Bridge excitation voltage	V _{DC}	5	
Interfaces:			RS-232, RS-485 (4 wire) (selectable via slide switch)
Interface cable length	RS-232	m	≤15
	RS-485	m	≤1000
Max. number of bus members			90
Control inputs (electrically isolated):			
Number			2
Input voltage range, LOW	V		0...5
Input voltage range, HIGH	V		10...30
Input current, typ., HIGH-level = 24 V	mA		12
Insulation voltage, typ.	V _{DC}		500
Control outputs ¹⁾ (electrically isolated):			Supply from operating voltage
Number			4
Output current at LOW level (I _{OUT})	mA		<2
Output voltage HIGH level (U _{OUT})	V		>15 at I _{max}
Output current, max. (I _{OUT} _{max})	mA		< 500, per output
Insulation voltage, typ.	V _{DC}		500
Supply:			
Operating voltage (DC), nominal	V		18...30
Operating voltage (DC), minimal	V		15
Current consumption (without load cell and Output current)	mA		≤175 ²⁾
Temperature range:			
Nominal temperature		°C [°F]	-10...+40 [+14...+104]
Operating temperature			-20...+60 [-4...+140]
Storage temperature			-25...+85 [-13...+185]
Dimensions		mm	195 x 100 x 70
Weight		g	~ 925
Degree of protection according to DIN 40050 (IEC 529)			IP65

1) Depending on the external operating voltage supply

$$2) \text{ Current consumption} = \leq 175 \text{ mA} + \frac{\text{Supply voltage } U_B = 5 \text{ V}}{\text{Bridge resistance } R_B} + \sum I_{\text{out } 1...6}$$

Order designations:

1-AED9201A = Basic device **AED9201A**

1-AD103C = Amplifier PCB with dosing function **AD103C** (see separate Data Sheet)

Accessories, to be ordered separately

1-FIT-AED-DOC = Documentation (CD-ROM with operating manual and AED_Panel32 panel program)

Modifications reserved.

All details describe our products in general form only. They are not to be understood as express warranty and do not constitute any liability whatsoever.

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