



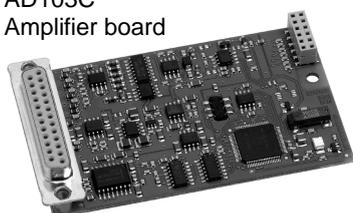
AED9201B

Basic device for
AD103C

AED9201B
Basic device



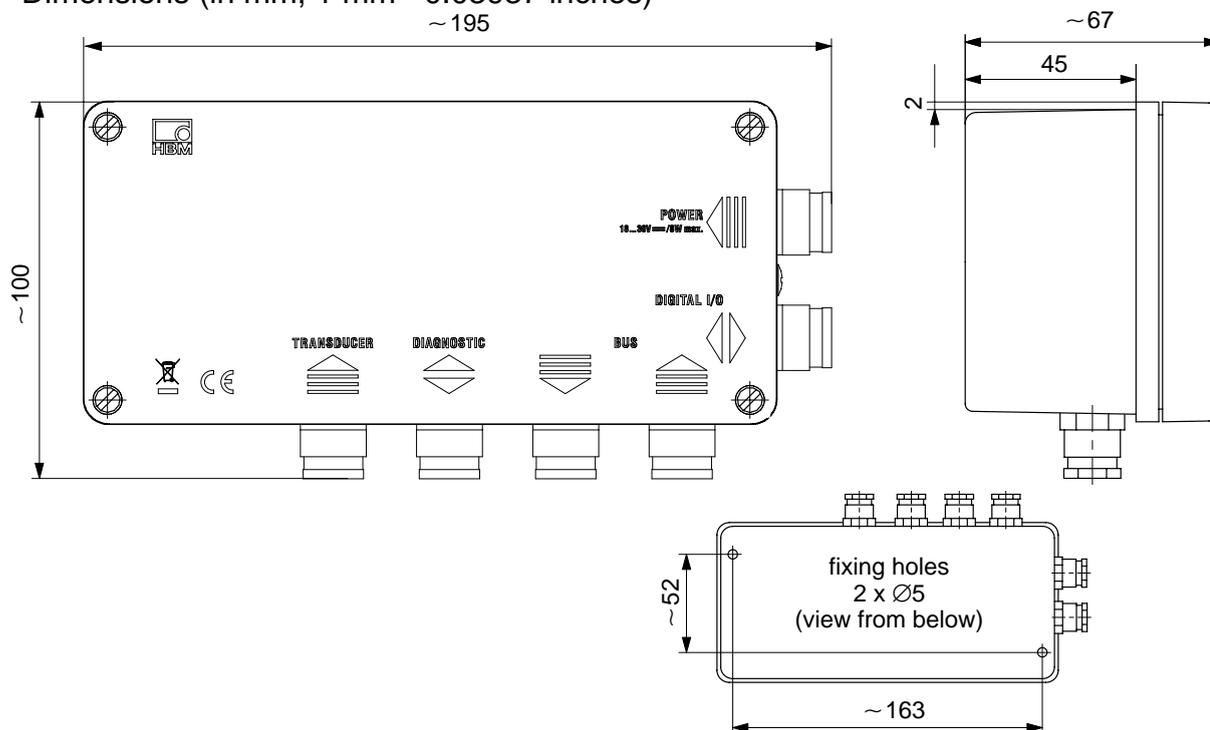
AD103C
Amplifier board



Special features

- RS-232 or RS-485 interfaces
- Two control inputs and four limit value outputs
- Six control inputs / outputs (Dosing function)
- Test report for 10 000 digits class III available
- 18...30 V Supply voltage range
- Degree of protection IP65
- EMC protection
- Diagnostics bus for analyzing and additional indication

Dimensions (in mm; 1 mm= 0.03937 inches)



Specifications

Type	AED9201B	
Measuring amplifier		AD103C
Measuring signal input	mV/V	±3, nominal ±2
Transducer connection: Strain gage transducer (full bridge) Transducer connection Transducer cable length Bridge excitation voltage	Ω m V _{DC}	≥80...4000 6-wire circuit ≤100 5
Interfaces: Hardware (selectable via slide switch) Interface cable length RS-232 RS-485 Max. number of bus members	 m m	RS-232, RS-485 (4 wire) ≤15 ≤1000 90
Control inputs (electrically isolated): Number Input voltage range, LOW Input voltage range, HIGH Input current, typ., HIGH-level = 24 V Insulation voltage, typ.	 V V mA V _{DC}	 2 0...5 10...30 typ. 12 500
Control outputs ¹⁾ (electrically isolated): Number Output current at LOW level (I _{OUT}) Output voltage HIGH level (U _{OUT}) Output current, max. (I _{OUTmax}) Insulation voltage, typ.	 mA V mA V _{DC}	Supply from supply voltage 4 <2 >15 at I _{max} < 500, per output 500
Diagnostics bus: Protocol Baud rate, max. Node address Length of Interface cable, max.	 kbit/s m	ASCII/Binary 38.4 0 ... 89 1000
Supply: Supply voltage (DC), nominal Supply voltage (DC), minimal Current consumption (without load cell and Output current)	 V V mA	 18...30 15 ≤175 ²⁾
Temperature range: Nominal temperature Operating temperature Storage temperature	 °C [°F]	 -10...+40 [+14...+104] -20...+60 [-4...+140] -25...+85 [-13...+185]
Dimensions	mm	195 x 100 x 70
Weight, approx.	g	925 (without AD10x)
Degree of protection according to EN 60529 (IEC 529)		IP65

1) Depending on the external supply voltage

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

Order designations

1-AED9201B = Basic device **AED9201B**

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

Accessories, to be ordered separately

Legal-for-trade digital scale display (see separate Data Sheet)

1-DWS2103

Documentation

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

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measure and predict with confidence

