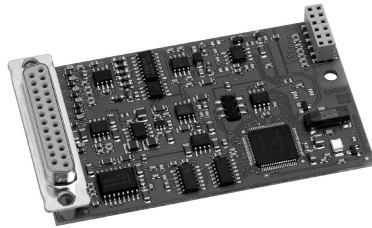


AED9401A

Basic device for
AD103C



AED9401A Basic device

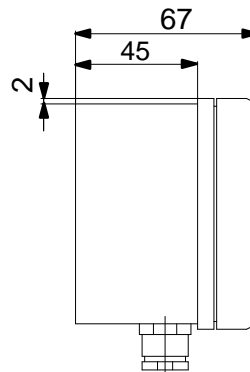
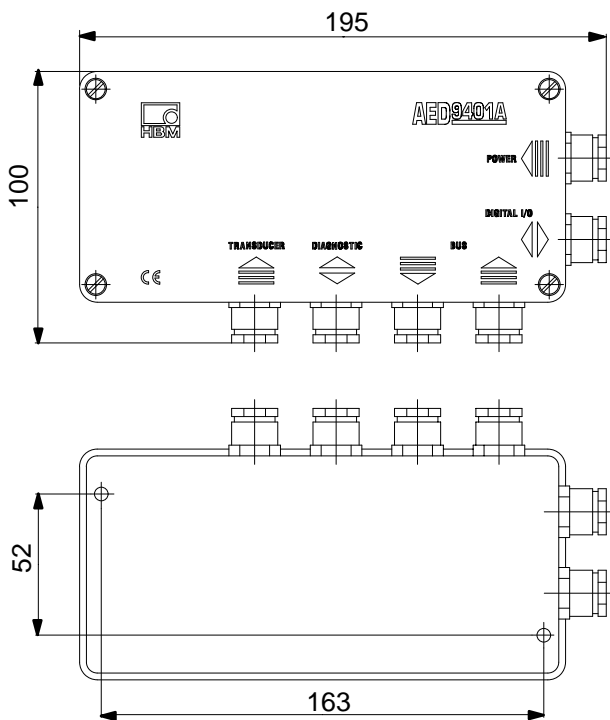


AD103C Amplifier board

Special features

- CANOpen and DeviceNet interfaces
- For cyclic und acyclic operation
- Two control inputs and four limit value outputs
- Control inputs / outputs (Dosing, diagnostic 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	AED9401A	
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 ¹⁾ 6-wire circuit ≤100 5
CAN-Bus: Protocol Baud rate, max. Node address Length of Interface cable	kBaud m	CANOpen 10 ... 1000 1 ... 127 5000 ... 25
DeviceNet-Bus: Protocol Baud rate, max. Node address Length of Interface cable	kBaud m	DeviceNet 125 ... 500 1 ... 63 1000 ... 100
Diagnostic-Bus: Protocol Baud rate, max. Node address Length of Interface cable	kBaud m	ASCII/Binary 38.4 0 ... 89 1000
Control inputs (electrically isolated): Number Input voltage range, LOW Input voltage range, HIGH Input current, typ., HIGH-level = 24V	 V V mA	 2 0...5 10...30 12
Control outputs ¹⁾ (electrically isolated): Number Max. output current I _{max} per output Short circuit current, typ., U _b =24 V; R _L <0.1 Ω Short circuit duration Input current at LOW level Output voltage HIGH level Insulation voltage, typ.	 A A mA V V _{DC}	Supply from operating voltage 4 0.5 0.8 Unlimited <2 >15 at I _{max} 500
Supply: Operating voltage Current consumption (with load cell, R _B = 80 Ω and addition. output current of the control output I _{out} 1...4)	V _{DC} mA	18...30 ≤250 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	g	~ 925
Degree of protection according to DIN 40050 (IEC 529)		IP65

1) Depending on the external operating voltage supply

2) Current consumption =
 at 18 V-Supply) ≤ 250 mA+I_{OUT} 1...4
 at 24 V-Supply) ≤ 200 mA+I_{OUT} 1...4
 at 30 V-Supply) ≤ 170 mA+I_{OUT} 1...4

Order designations:

1-AED9401A = Basic device **AED9401A**

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_Profibus panel program)

1-FIT-AED-KIT = Starter Kit for CANOpen and DeviceNet

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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