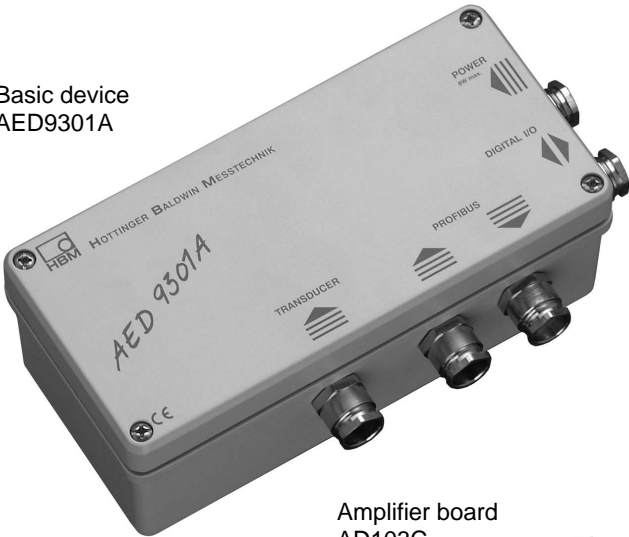


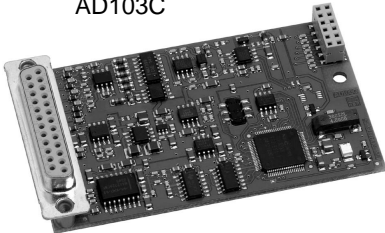
AED9301A

Basic device for AD103C

Basic device
AED9301A



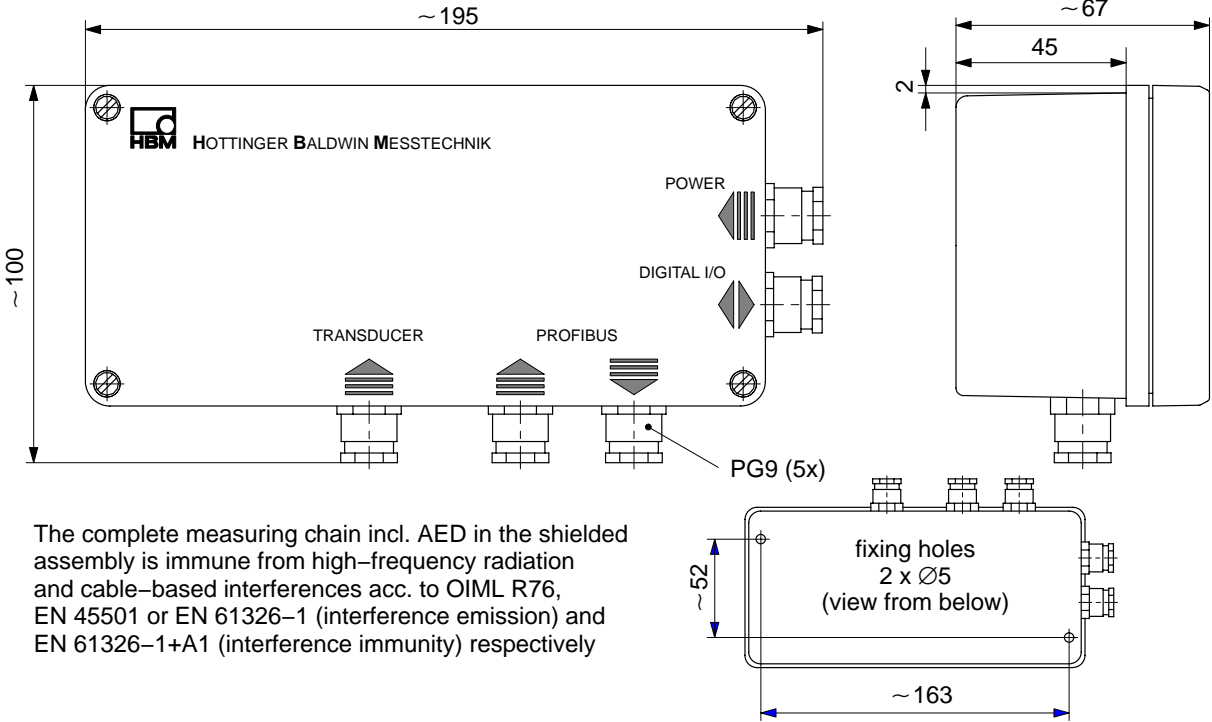
Amplifier board
AD103C



Special features

- DP V1 Profibus interface
- For cyclic und acyclic operation
- Two control inputs 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)



Specifications

Type	AED9301A	
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
Profibus DP: Protocol Baud rate, max. Subscriber adress, can be set by rotary switch Interface cable length Profibus	Mbaud m	Profibus-DP Slave, according to DIN 19245-3 12 3...99 1200 (at 9.6 / 19.2 / 93.75 kBit/s) 1000 (at 187.5 kBit/s) 400 (at 500 kBit/s) 200 (at 1.5 MBit/s) 100 (at 12 MBit/s)
Control inputs (electrically isolated): Number Input voltage range, LOW Input voltage range, HIGH Input current, typ., HIGH-level = 24V Insulation voltage, typ.	V V mA V _{DC}	2 0...5 10...30 12 500
Control outputs *) (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 (withload cell, R _B = 80 Ω, and addit. output current of 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 8 V-Supply	≤ 250 mA+IOUT 1...4
at 24 V-Supply	≤ 200 mA+IOUT 1...4
at 30 V-Supply	≤ 170 mA+IOUT 1...4

Order designations:

1-AED9301A = Basic device **AED9301A**

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)

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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