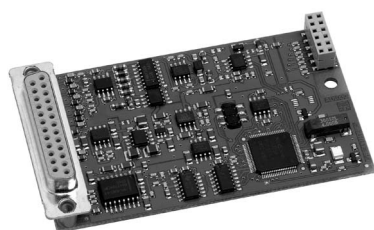


AED9501A

Basic device for
AD103C



AED9501A Basic device

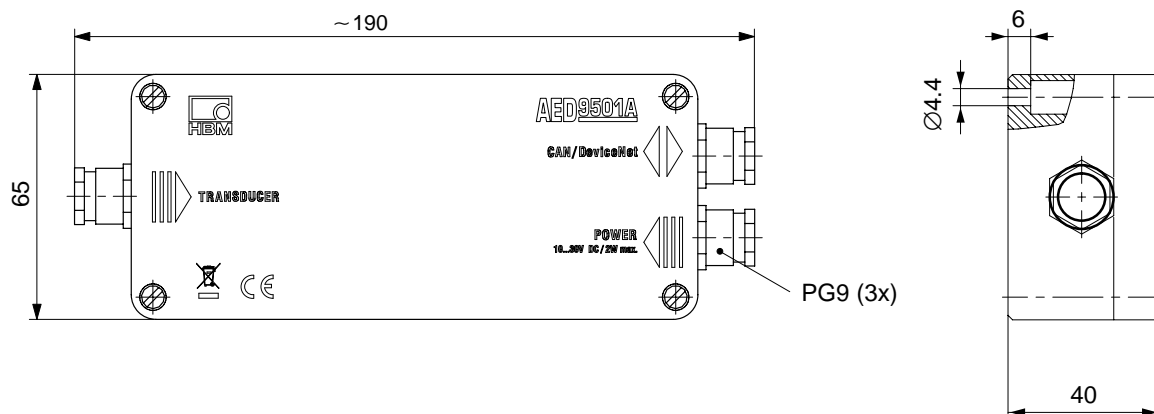


AD103C Amplifier board

Special features

- CANOpen and DeviceNet interfaces
- For cyclic und acyclic operation
- Trigger input
- Test report for 10 000 digits class III available
- 10...30 V Supply 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		AED9501A
Amplifier board		AD103C
Measurement signal input	mV/V	± 3, nominal ± 2
Transducer excitation voltage DC	V	5
Strain gage transducer (1...4 full bridge, each 350 Ω), R _B	Ω	80...4000 ¹⁾
Transducer connection		6 wire circuit
Length of transducer cable	m	≤ 100
CANOpen		
Protocol		CANOpen
Baud rate, max.	kbit/s	10...1000
Node address		1...127
Length of interface cable	m	5000...25
DeviceNet bus		
Protocol		DeviceNet
Baud rate, max.	kbit/s	125...500
Node address		1...63
Length of interface cable	m	1000...100
Diagnostic bus		
Protocol		ASCII/Binary
Baud rate, max.	kbit/s	38.4
Node address		0...89
Length of interface cable, max.	m	1000
Trigger input		
Input voltage range, LOW	V	0...1
Input voltage range, HIGH	V	2...30
Input current with High level = 30 V	mA	< 3
Power supply		
Supply voltage (DC)	V	10...30
Current consumption (without load cell)	mA	≤ 120 ²⁾
Temperature range		
Nominal temperature range	°C [°F]	-10...+40 [+14...+104]
Operating temperature range	°C [°F]	-20...+60 [-4...+140]
Storage temperature range	°C [°F]	-25...+85 [-13...+185]
Miscellaneous		
Dimensions (L * W * H)	mm	190 * 65 * 40
Weight, approx.	g	440 (without AD10x)
Degree of protection to EN 60529 (IEC529)		IP65

1) Depending on the external supply voltage

2) $\text{Current consumption} = \leq 120 \text{ mA} + \frac{\text{Excitation voltage } U_B = 5 \text{ V}}{\text{Bridge resistance } R_B}$

Order designations:

1-AED9501A = Basic device **AED9501A**

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)

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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