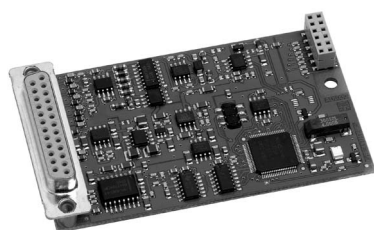




AED9501A Basic device

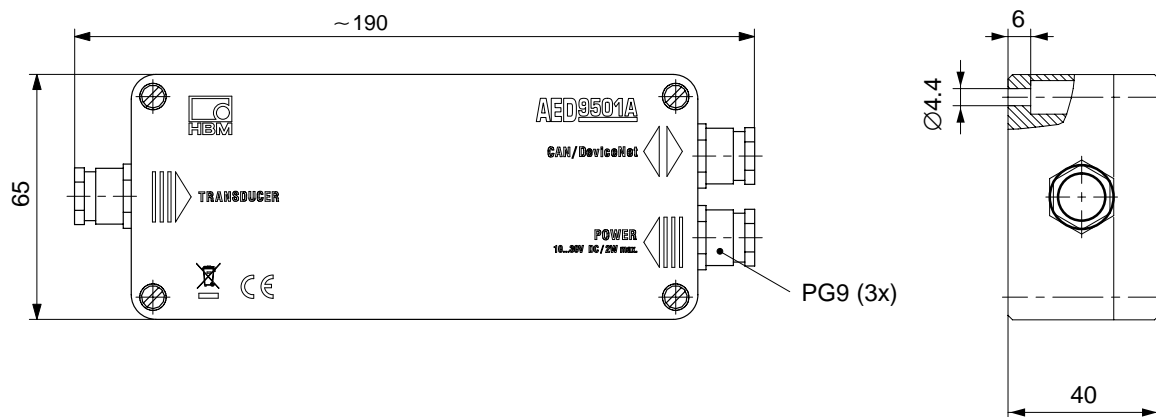


AD103C Amplifier board

## 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
<b>Amplifier board</b>		<b>AD103C</b>
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 <sub>B</sub>	Ω	80...4000 <sup>1)</sup>
Transducer connection		6 wire circuit
Length of transducer cable	m	≤ 100
<b>CANOpen</b>		
Protocol		CANOpen
Baud rate, max.	kbit/s	10...1000
Node address		1...127
Length of interface cable	m	5000...25
<b>DeviceNet bus</b>		
Protocol		DeviceNet
Baud rate, max.	kbit/s	125...500
Node address		1...63
Length of interface cable	m	1000...100
<b>Diagnostic bus</b>		
Protocol		ASCII/Binary
Baud rate, max.	kbit/s	38.4
Node address		0...89
Length of interface cable, max.	m	1000
<b>Trigger input</b>		
Input voltage range, LOW	V	0...1
Input voltage range, HIGH	V	2...30
Input current with High level = 30 V	mA	< 3
<b>Power supply</b>		
Supply voltage (DC)	V	10...30
Current consumption (without load cell)	mA	≤ 120 <sup>2)</sup>
<b>Temperature range</b>		
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]
<b>Miscellaneous</b>		
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) 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.

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