



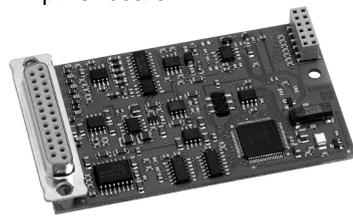
# AED9101C

Basic device for  
AD103C

AED9101C  
Basic device



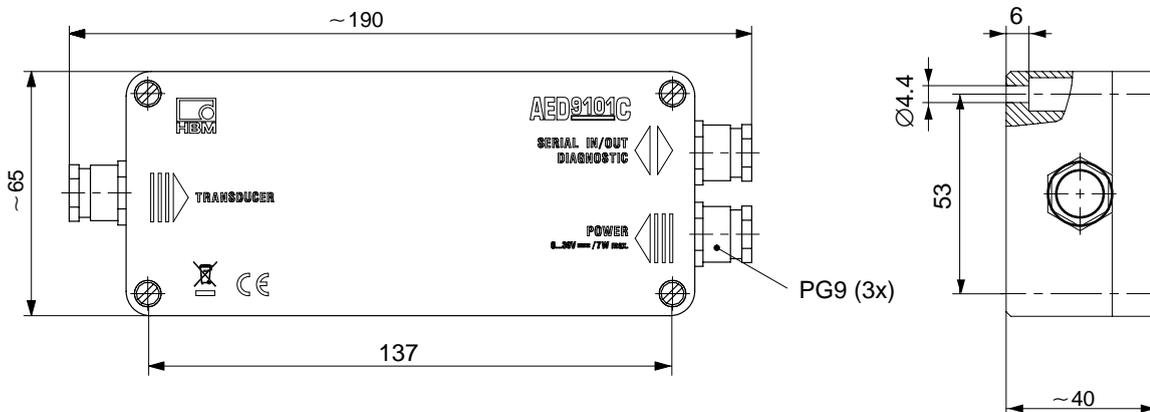
AD103C  
Amplifier board



## Special features

- For static and dynamic applications
- RS-232, RS-422 or RS-485 interfaces
- Test report for 10 000 digits class III available
- Trigger input
- 6...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		AED9101C
Measuring amplifier		AD103C
Measuring signal input	mV/V	±3, nominal ±2
<b>Transducer connection:</b>		
Strain gage transducer (full bridge)	Ω	≥40...4000
Transducer connection		6-wire circuit
Transducer cable length	m	≤100
Bridge excitation voltage	V <sub>DC</sub>	5
<b>Interfaces:</b>		
Hardware (selectable via slide switch)		RS-232, RS-422, RS-485
Interface cable length RS-232	m	≤15
RS-422, RS-485	m	≤1000
Max. number of bus members		32
<b>Diagnostics 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 at High level = 30 V	mA	< 3
<b>Supply:</b>		
Supply voltage	V <sub>DC</sub>	6 ... 30
Current consumption (without load cell)	mA	≤ 120 <sup>1)</sup>
<b>Temperature range:</b>		
Nominal temperature	°C [°F]	-10...+40 [+14...+104]
Operating temperature		-20...+60 [-4...+140]
Storage temperature		-25...+85 [-13...+185]
<b>Dimensions</b>	mm	190 x 65 x 40
<b>Weight, approx.</b>	g	440 (without AD10x)
<b>Degree of protection according to EN60529 (IEC 529)</b>		IP65

$$1) \text{ Current consumption} = \leq 120 \text{ mA} + \frac{\text{Supply voltage } U_B = 5 \text{ V}}{\text{Bridge resistance } R_B}$$

### Order designations:

**1-AED9101C** = Basic device **AED9101C**

**1-AD103C** = Amplifier PCB **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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