

Series VTM



AVENTICS™ Series VTM



Velocity-Time-Meter, Series VTM

- electronic PNP



Ambient temperature min./max.	0 ... 50 °C
Measurement range Min.	0.1 m/s
Measurement range Max.	9.99 m/s
Resolution	0.01 m/s
Precision (% of full scale value)	± 0,5 %
Magnetic field Min.	2 mT
Measurement range Min.	0.001 s
Measurement range Max.	59.9 s
Protection class	IP40

Technical data

Part No.	Type of contact
R402002202	electronic PNP

Technical information

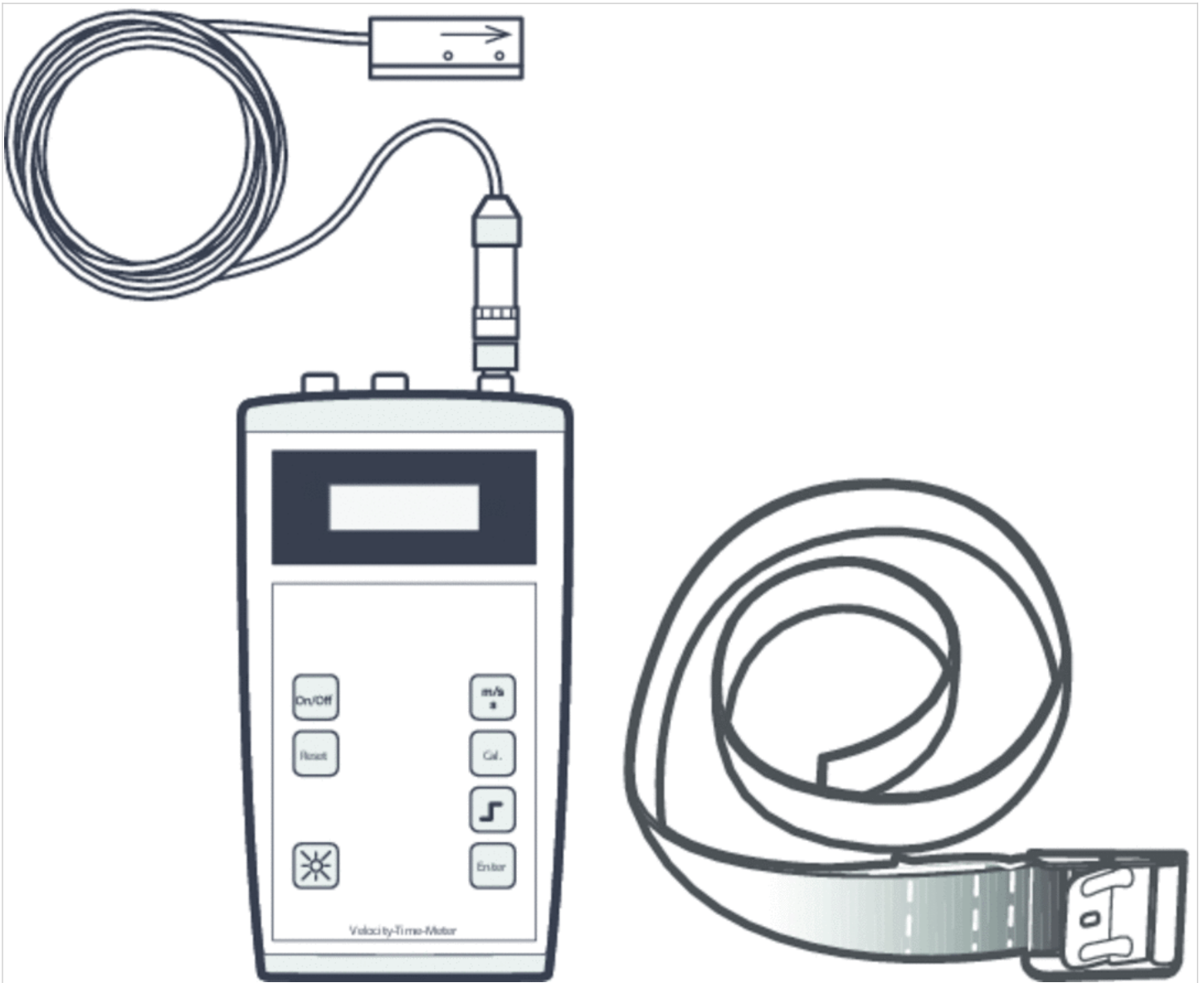
With velocity sensor (supplied) placed on the cylinder barrel, piston velocity is displayed in m/s.
 By choice of electrical connection or a position sensor (not supplied) the cycle time is displayed in ms.
 Suitable for all AVENTICS cylinders with magnetic piston.

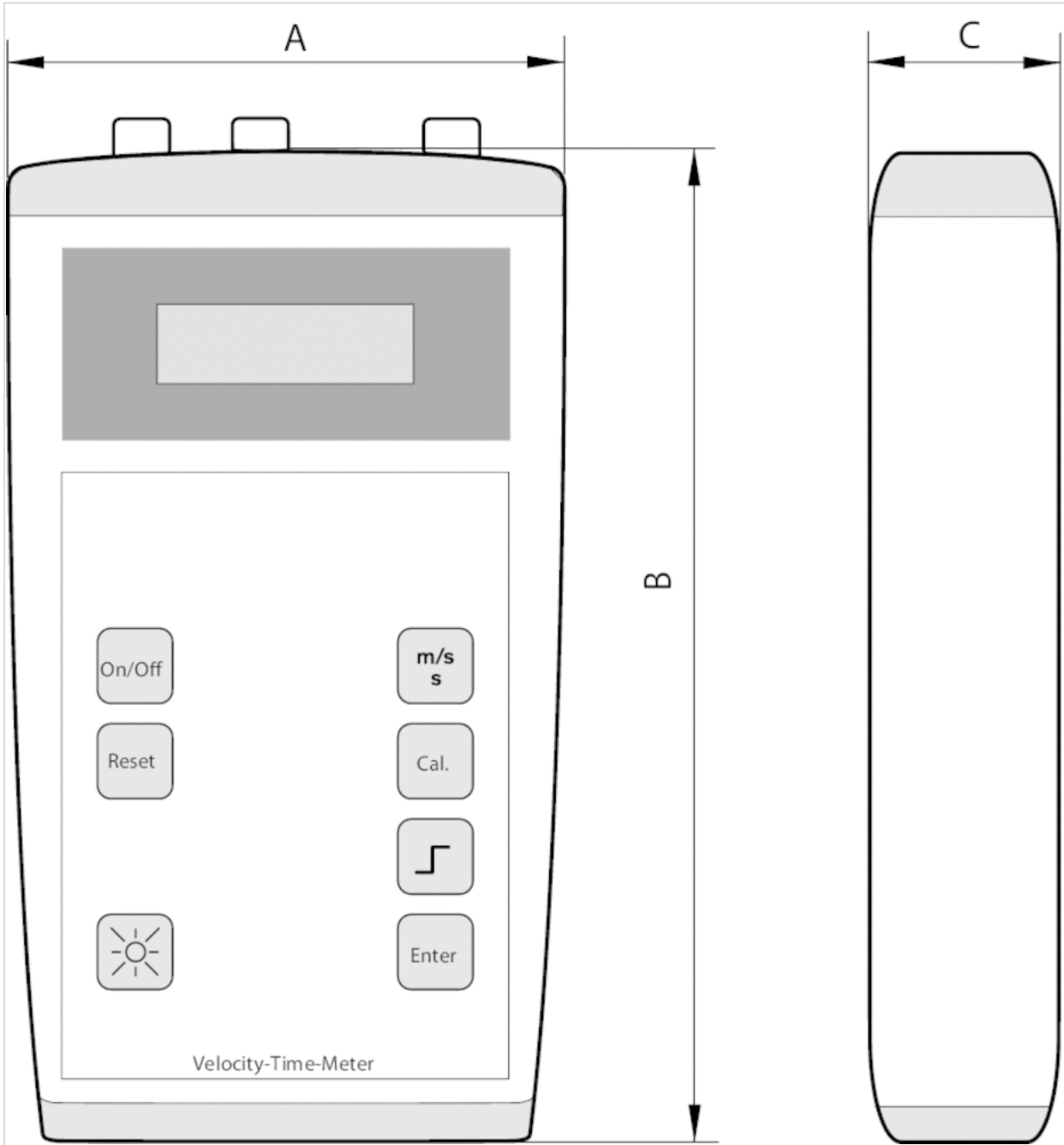
Technical information

Material	
Housing	Polyamide

Dimensions

Dimensions





Dimensions

Part No.	A	B	C
R402002202	92	165	31

Control box with power supply cable and adapter



Ambient temperature min./max.	0 ... 50 °C
Operating voltage DC, max.	24 V DC
Protection class	IP40

Technical data

Part No.	Type
R402002203	Control box with power supply cable and adapter

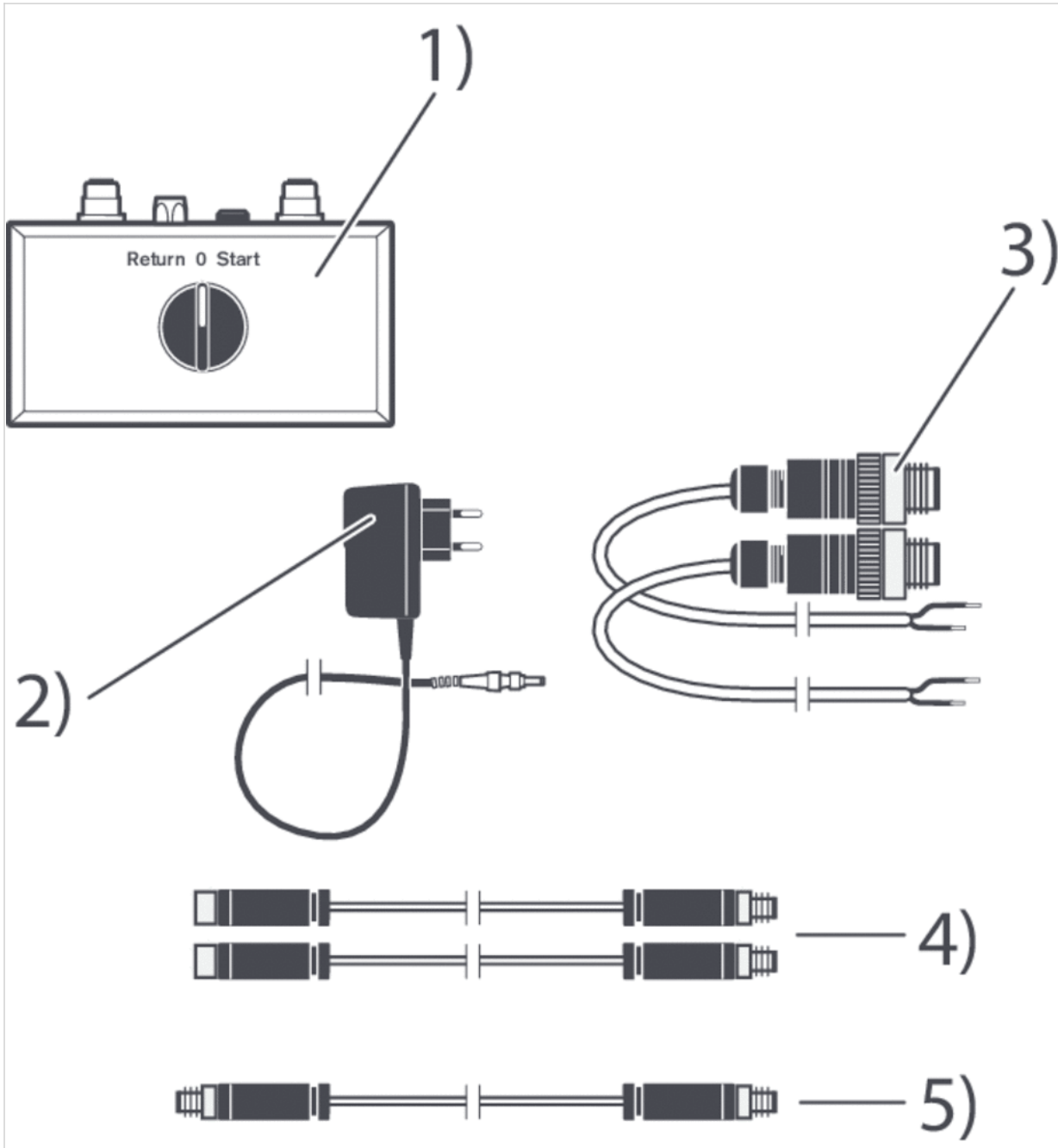
Technical information

Cylinder motion in both directions can be controlled with the knob on the control box.
 Can only be connected to valves with a removable pilot valve.

Technical information

Material	
Housing	Polyamide

Dimensions



1) valve control box R402002605, 2) mains adapter R404052371, 3) pilot cable with plug M12 (2x) R402002607, 4) extension cable to sensor (2x) 8946203712, 5) connecting cable M8 R402002606

Dimensions

Part No.	Type	Protection class
R402002203	Control box with power supply cable and adapter	IP40
Operating voltage DC, max.	Ambient temperature min./max.	Material
24 V DC	0 50 °C	Polyamide

Cylinder motion in both directions can be controlled with the knob on the control box.

Can only be connected to valves with a removable pilot valve.

1) Scope of delivery: 1) valve control box , 2) mains adapter , 3) control cable with M12 plug (2x), 4) extension cable to sensor (2x) , 5) M8 connecting cable

Case with inlay for the VTM and all accessories

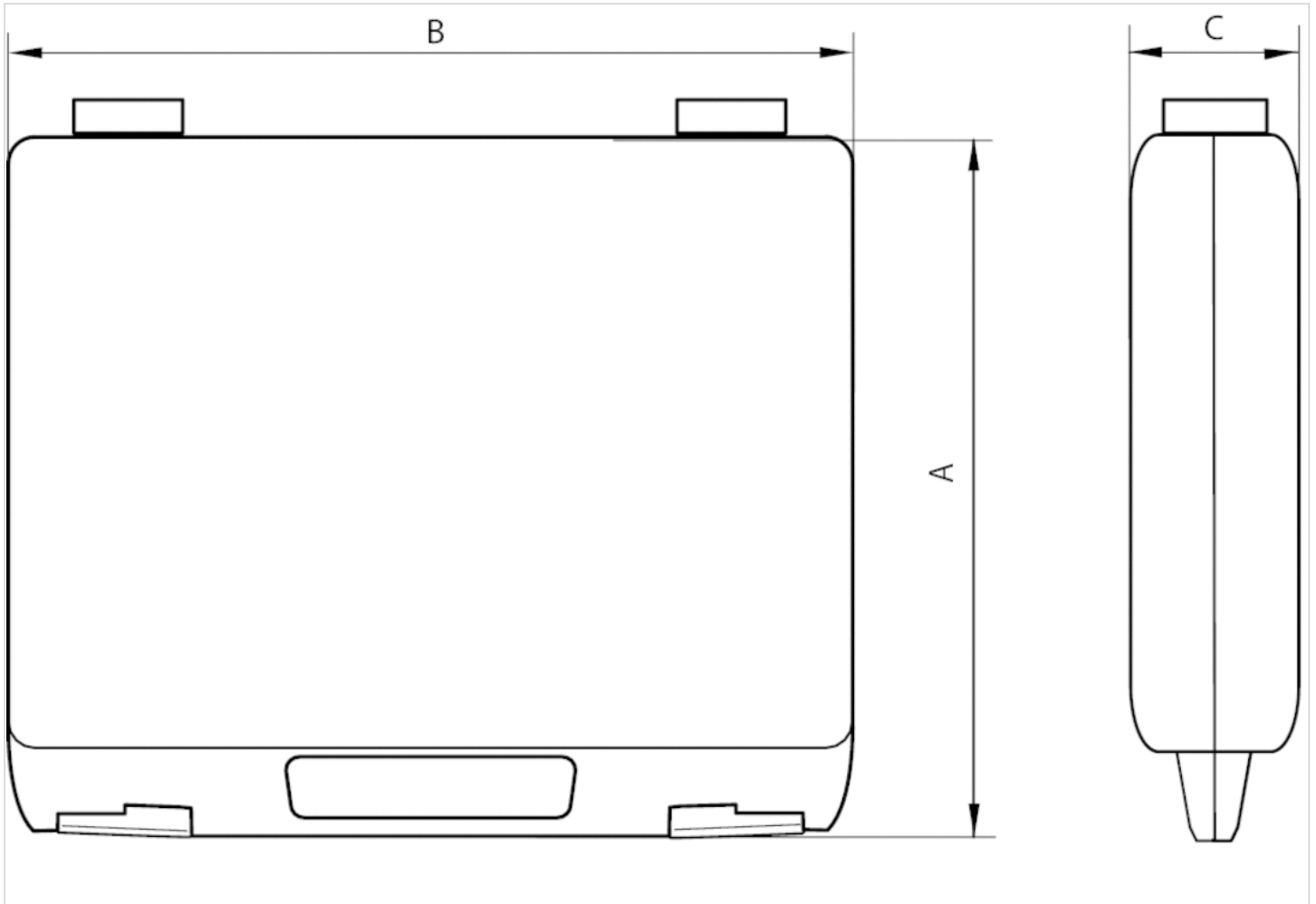


Technical data

Part No.

R402002204

Dimensions



Dimensions

Part No.	A	B	C
R402002204	370	442	90

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



Visit us: [Emerson.com/Aventics](https://www.emerson.com/aventics)

Your local contact: [Emerson.com/contactus](https://www.emerson.com/contactus)



Emerson.com



[Facebook.com/EmersonAutomationSolutions](https://www.facebook.com/EmersonAutomationSolutions)



[LinkedIn.com/company/Emerson-Automation-Solutions](https://www.linkedin.com/company/Emerson-Automation-Solutions)



[Twitter.com/EMR_Automation](https://twitter.com/EMR_Automation)

An example configuration is depicted on the title page. The delivered product may thus vary from that in the illustration. Subject to change. This Document, as well as the data, specifications and other information set forth in it, are the exclusive property of AVENTICS GmbH. It may not be reproduced or given to third parties without its consent. Only use the AVENTICS products shown in industrial applications. Read the product documentation completely and carefully before using the product. Observe the applicable regulations and laws of the respective country. When integrating the product into applications, note the system manufacturer's specifications for safe use of the product. The data specified only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification. It must be remembered that the products are subject to a natural process of wear and aging.

The Emerson logo is a trademark and service mark of Emerson Electric Co. Brand logotype are registered trademarks of one of the Emerson family of companies. All other marks are the property of their respective owners. © 2017 Emerson Electric Co. All rights reserved.
2019-03



CONSIDER IT SOLVED™