



AS-Interface Handheld VBP-HH1-V3.0

- Addressing and programming AS-Interface nodes
- Displaying the assigned node addresses and the status of the inputs
- Setting outputs at the AS-Interface node
- Also supports profiles S-7.7.A.7 (Spec 3.0), S-0.B and S-7.B (AS Interface Safety at Work)
- The node connection is short-circuit and overload proof
- Battery charger included with delivery

AS-Interface Handheld



Function

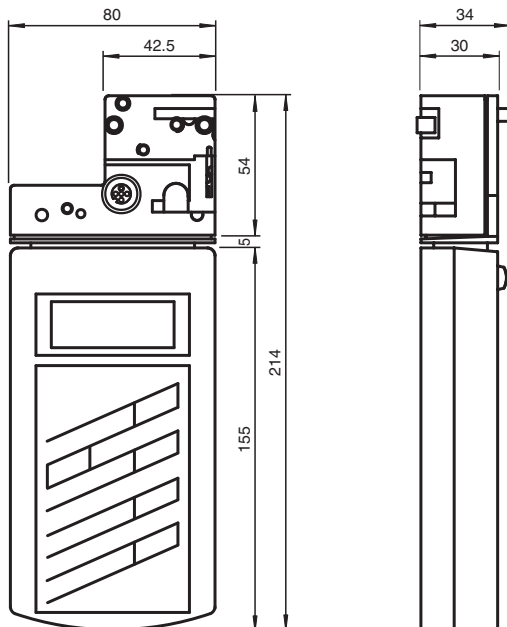
The AS-Interface handheld VBP-HH1-V3.0 is an addressing device according to the AS-Interface specification 3.0. This addressing device can be used to program AS-Interface nodes and to test part of their functions. In addition, new functions have been incorporated:

- Permanent data exchange with AS-Interface nodes
- Support of the data exchange with 4E4A nodes in ext. addressing mode
- Indication of the safety code for AS-Interface Safety at Work nodes

The AS-Interface connection adapter on the top of the addressing device is used for connecting AS-Interface nodes such as sensors, actuators and modules to the addressing device. The following devices and designs can be connected to the addressing device by directly plugging it onto the AS-Interface connection adapter:

Devices with M12 connector, VariKont M-system, VariKont system, FP design, AS-Interface modules of the types G1 and G4. For device designs with integrated addressing socket, use the optional adapter cable.

Dimensions



Technical Data

General specifications

AS-Interface specification	V3.0
Operating mode	Plug-in charging unit, 230 V AC, included in the delivery package

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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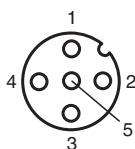
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Technical Data

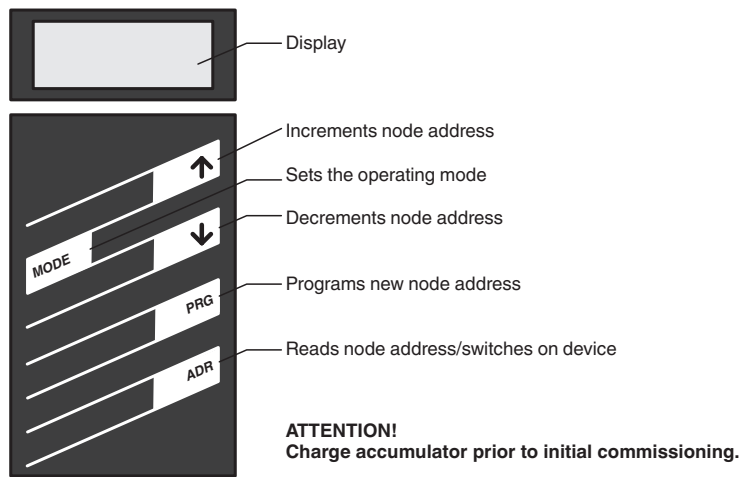
Indicators/operating means		
Display		LC display
Keyboard		membrane keys, 5 keys
Electrical specifications		
Operating duration		8 h or ≥ 250 read/write procedures for fully charged battery
Power supply		battery mode, please use only battery charger included with delivery to charge (charging time about 14 h)
Interface		
Interface type		AS-Interface, short-circuit proof and overload-proof, or optical
Open loop voltage		28 V
Load current		100 mA at 25 V
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		Handheld: EN 61326-1:2013 Plug-in charging unit EN 61000-3-2:2014 , EN 61000-3-3:2013 , EN 61000-4-2:2009 , EN 61000-4-3:2006+A1:2008+A2:2010, EN 61000-4-4:2012, EN 61000-4-5:2014+A1:2017, EN 61000-4-6:2014+AC:2015, EN 61000-4-8:2010, EN 61000-4-11:2004+A1:2017 , EN 55032:2015+AC:2016 , EN 55035:2017
Low voltage		
Directive 2014/35/EU		Plug-in charging unit EN 62368-1:2014+A11:2017
Standard conformity		
Degree of protection		EN 60529:2000
Electrical safety		Plug-in charging unit EN 62368-1:2014+A11:2017
Emitted interference		Handheld: EN 61326-1:2013 Plug-in charging unit EN 55032:2015+AC:2016 , EN 55035:2017
Noise immunity		Handheld: EN 61326-1:2013 Plug-in charging unit EN 61000-3-2:2014 , EN 61000-3-3:2013
Ambient conditions		
Ambient temperature		0 ... 40 °C (32 ... 104 °F)
Storage temperature		-20 ... 40 °C (-4 ... 104 °F)
Mechanical specifications		
Degree of protection		IP20
Material		
Housing		plastic
Mass		approx. 610 g
Dimensions		
Height		34 mm
Width		80 mm
Length		214 mm

Connection



- 1 AS-Interface +
- 2 Digital input for optical addressing adapters
- 3 AS-Interface -
- 4 Digital output for optical addressing adapters
- 5 Voltage supply for optical addressing adapters

Assembly



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