



## AS-Interface Handheld with accessory VBP-HH1-V3.0-KIT

- 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 for EU, USA, UK, and AU included in the scope of delivery

AS-Interface Handheld with accessory



### Function

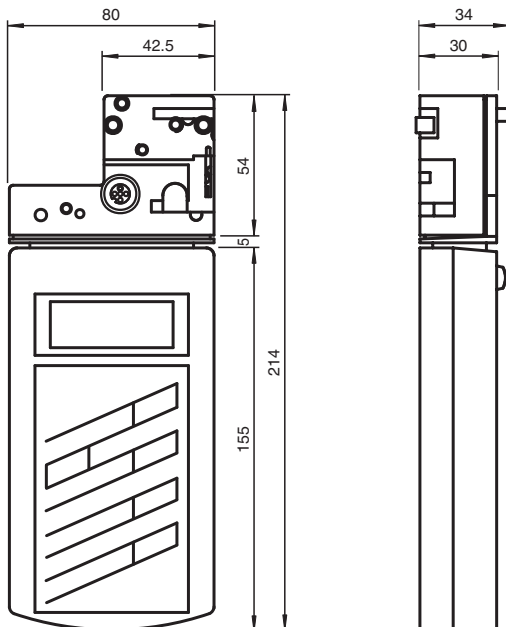
The AS-Interface handheld VBP-HH1-V3.0 is an addressing device according to the AS-Interface specification 3.0. This addressing device can be used to program AS-Interface nodes and to test part of their functions. In addition, new functions have been incorporated:

- 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
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#### Indicators/operating means

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

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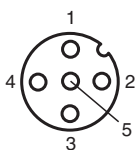
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## Technical Data

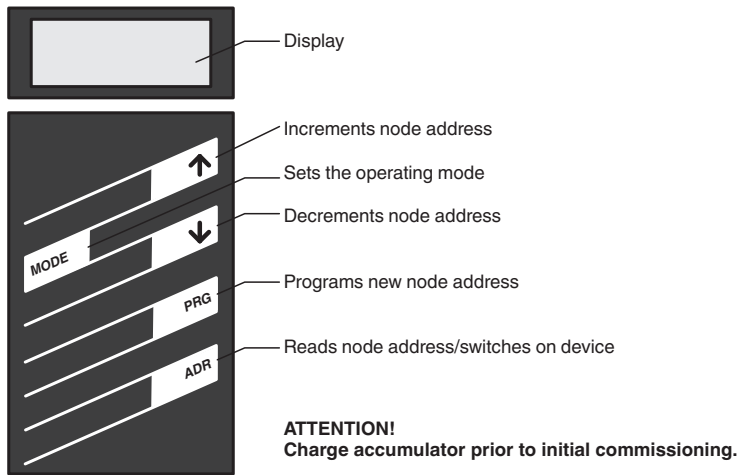
Display		LC display
Keyboard		membrane keys, 5 keys
<b>Electrical specifications</b>		
Operating duration		8 h or $\geq 250$ read/write procedures for fully charged battery
Operating voltage	$U_B$	Plug-in charging unit 90 ... 264 V AC
Power supply		battery mode, please use only battery charger included with delivery to charge (charging time about 14 h) Type of rechargeable battery = NiMh 4.8 V, 800 mAh, 3.84 Wh (UN 3496 batteries, nickel-metal hydride)
<b>Interface</b>		
Interface type		AS-Interface, short-circuit proof and overload-proof, or optical
Open loop voltage		28 V
Load current		100 mA at 25 V
<b>Directive conformity</b>		
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
<b>Standard conformity</b>		
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
<b>Ambient conditions</b>		
Ambient temperature		0 ... 40 °C (32 ... 104 °F)
Storage temperature		-20 ... 40 °C (-4 ... 104 °F)
<b>Mechanical specifications</b>		
Degree of protection		IP20
Connection		Plug-in charger 90 ... 264 V <sub>AC</sub> with interchangeable plug for EU, USA, UK and AU included with delivery
Material		
Housing		plastic
Mass		approx. 1000 g
Dimensions		
Height		34 mm
Width		80 mm
Length		214 mm

## Connection Assignment



- 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



## Scope of Delivery

The set VBP-HH1-V3.0-KIT consists of the addressing device VBP-HH1-V3.0, a universal plug-in charger and the connecting cable module / handheld VAZ-PK-1,5M-V1-G in a matching case.