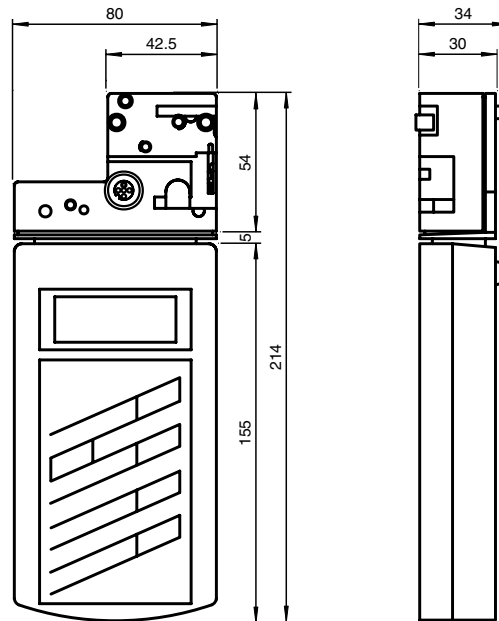## Dimensions

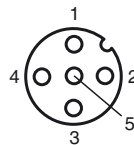## Model number

VBP-HH1-V3.0

AS-Interface Handheld

Features

- Addressing and programming AS-Interface slaves

- Displaying the assigned slave addresses and the status of the inputs

- Setting outputs at the AS-Interface slave

- Also supports profiles S-7.7.A.7 (Spec 3.0), S-0.B and S-7.B (AS Interface Safety at Work)

- The slave connection is short-circuit and overload proof

- Battery charger included with delivery

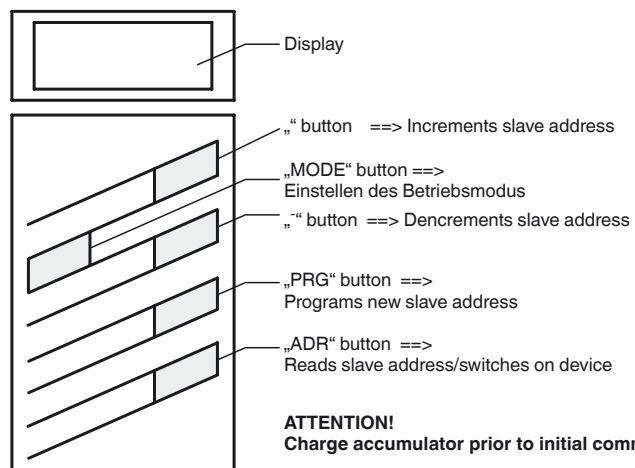## Electrical connection

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

Indicating / Operating means

Display

„ “ button ==> Increments slave address

„MODE“ button ==>
Einstellen des Betriebsmodus

„ “ button ==> Dencrements slave address

„PRG“ button ==>
Programs new slave address

„ADR“ button ==>
Reads slave address/switches on device

ATTENTION!
Charge accumulator prior to initial commissioning.

Technical data

General specifications

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

Indicators/operating means

Display	LC display
Keyboard	membrane keys, 5 keys

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

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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 55022:2010+AC:2011 , EN 55024:2010
Low voltage	
Directive 2014/35/EU	Plug-in charging unit EN 60950-1:2006+A14:2009+A1:2010+A12:2011+A2:2013

Standard conformity

Degree of protection	EN 60529:2000
Electrical safety	Plug-in charging unit EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
Emitted interference	Handheld: EN 61326-1:2013 Plug-in charging unit EN 55022:2010+AC:2011 , EN 55024:2010
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

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 slaves and to test part of their functions.

In addition, new functions have been incorporated:

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

The AS-Interface connection adapter on the top of the addressing device is used for connecting AS-Interface slaves (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, please use the optional adapter cable.

Accessories

VAZ-PK-1,5M-V1-G
Adapter cable module/hand-held programming device

V1S-TEE-V1/V1S
T-Distributor, M12 connector to M12 socket/connector

VAZ-PK-FK-0,2M-V1-W
Adapter cable G10 module/hand-held programming device

VAZ-9VDC-CHRG-115VAC
Power Supply

VAZ-9VDC-CHRG-230VAC
Power Supply

VAZ-PK/G20-1M-V1-G
Adapter cable G20 module/hand-held programming device

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