



**Model number**

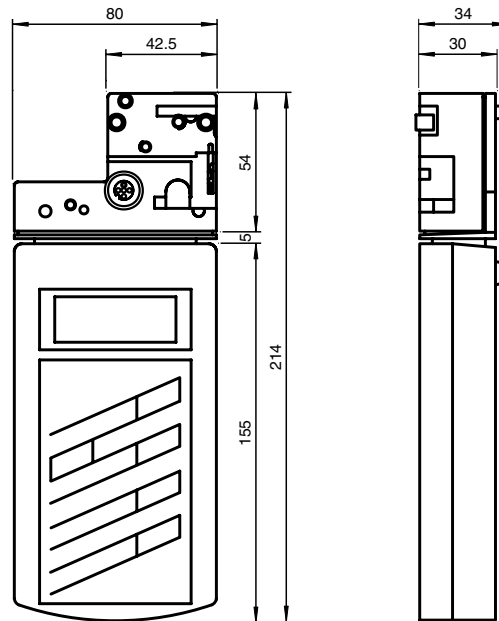
**VBP-HH1-V3.0-110V**

AS-Interface Handheld

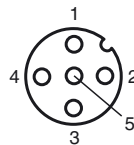
**Features**

- 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

**Dimensions**

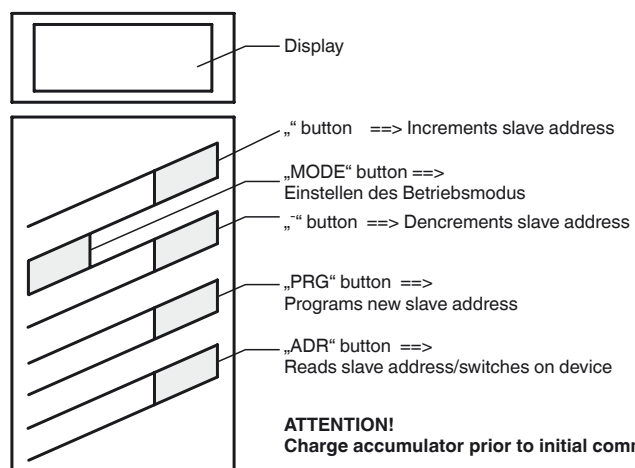


**Electrical connection**



- 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**



**ATTENTION!**  
Charge accumulator prior to initial commissioning.

**Technical data**

**General specifications**

AS-Interface specification	V3.0
Operating mode	Plug-in charging unit, 120 V AC, included with delivery

**Indicators/operating means**

Display	LC display
Keyboard	membrane keys, 5 keys

**Electrical specifications**

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Operating duration	8 h or $\geq 250$ 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)
<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>Ambient conditions</b>	
Ambient temperature	0 ... 40 °C (32 ... 104 °F)
Storage temperature	-20 ... 40 °C (-4 ... 104 °F)
<b>Mechanical specifications</b>	
Protection degree	IP20
Material	
Housing	plastic
Mass	approx. 610 g
<b>Compliance with standards and directives</b>	
Directive conformity	
EMC Directive 2004/108/EC	EN 61326-1:2006
Standard conformity	
Noise immunity	EN 61326-1:2006
Emitted interference	EN 61326-1:2006
Protection degree	EN 60529:2000
Electrical safety	Plug-in charging unit UL 1310

## 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

### V1-W-2M-PVC

Female cordset, M12, 4-pin, PVC cable

### VAZ-PK-FK-0,2M-V1-W

Adapter cable G10 module/hand-held programming device

### VAZ-9VDC-CHRG-115VAC

Power Supply