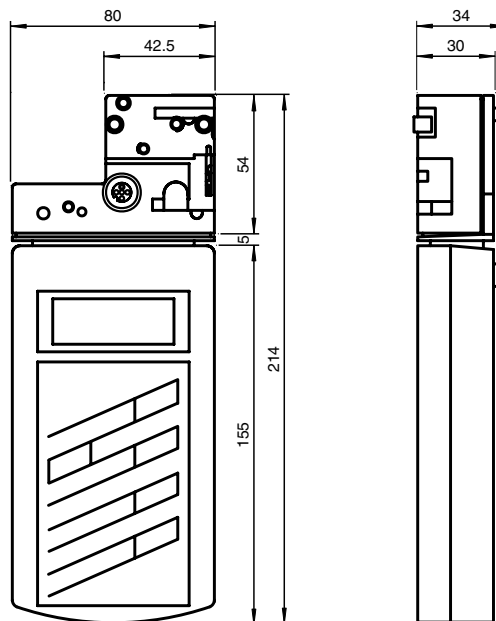
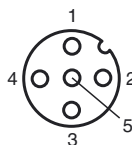


Spec.  
3.0**Model number****VBP-HH1-V3.0-KIT-110V**

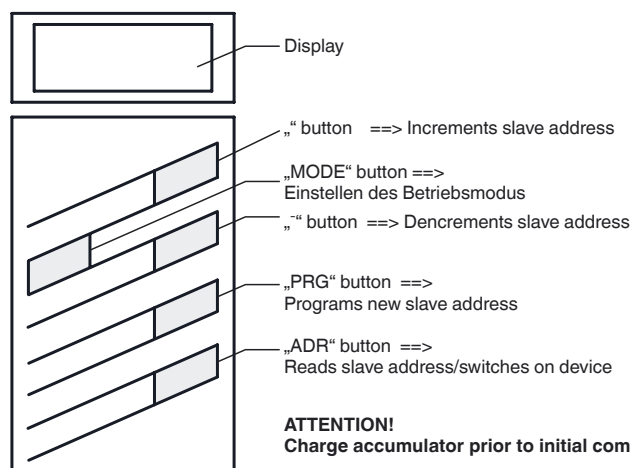
AS-Interface Handheld with accessory

**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
- Four programming cables included VAZ-PK-1.5M-V1-G, V1S-G-1M-PUR, V1-G-0.3M-PUR-V1-G, and VAZ-PK-FK-0.2M-V1-W
- For use in North and South America

**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**

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. 1000 g
<b>Compliance with standards and directives</b>	
Directive conformity	
EMC Directive 2004/108/EC	EN 61326-1:2006 , EN 61000-6-4:2007
Standard conformity	
Noise immunity	EN 61326-1:2006
Emitted interference	EN 61000-6-4:2007
Protection degree	EN 60529:2000

## Notes

The set VBP-HH1-V3.0-KIT-110V consists of the VBP-HH1-V3.0-110V addressing device and the VAZ-9VDC-CHRG power supply. Also included are four (4) programming cables: VAZ-PK-1.5M-V1-G, V1S-G-0.3M-PUR-V1-G, VAZ-PK-FK-0.2M-V1-W, and V1S-G-1M-PUR. The V1S-G-1M-PUR is modified with crimped brown and blue conductors. These four cables are used with modules that have addressing jacks, M12 quick disconnects (like the G16 or G11), flat cable connection only (like the G10), or terminals only (like the CB1) respectively. Everything is included in a handy carrying case.

## Function

The AS-Interface Handheld VBP-HH1-V3.0-110V 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 their functions.

In addition, new features 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 sequence 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. Certain devices such as the G1, G4, and M12 AS-i sensors can be programmed by directly connecting them to the programmer without using cables.

For all other designs, the included cables can be used for programming.

## Accessories

### V1S-TEE-V1/V1S

T-Distributor, M12 connector to M12 socket/connector

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

Power Supply