



Spec.  
3.0

### Model Number

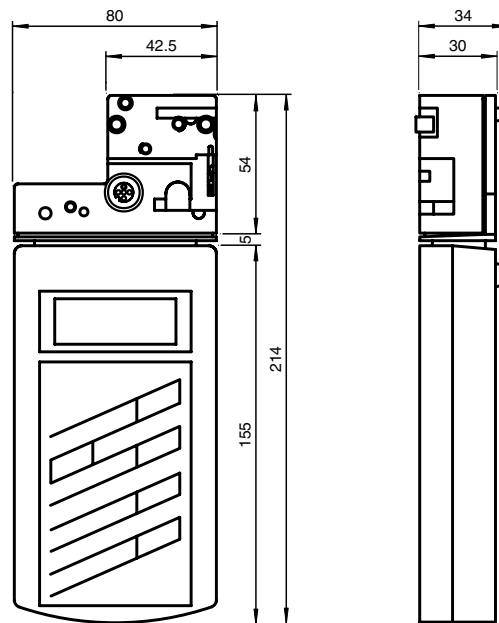
**VBP-HH1-V3.0**

AS-Interface Handheld

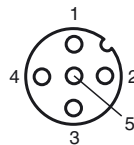
### Features

- Identification and readdressing of the slave address
- Semiautomatic addressing with dual address recognition
- Addressing or programming up to a maximum of 62 slaves (A/B slaves)
- 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
- Optional optical interface
- Battery charger included with delivery

### Dimensions

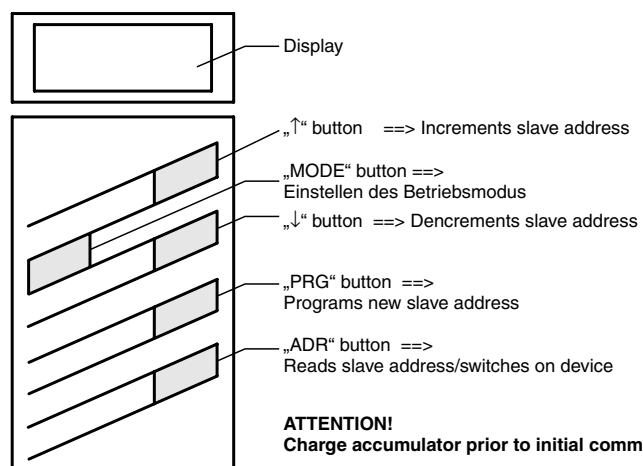


### Electrical connection



- 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



### 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

**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)

**Interface**

Interface type	AS-Interface, short-circuit proof and overload-proof, or optical
Open loop voltage	28 V
Operating current	100 mA at 25 V

**Ambient conditions**

Ambient temperature	0 ... 40 °C (273 ... 313 K)
Storage temperature	-20 ... 40 °C (253 ... 313 K)

**Mechanical specifications**

Protection degree	IP20
Material	
Housing	plastic
Mass	approx. 275 g

**Compliance with standards and directives**

Directive conformity	
Low Voltage Directive 73/23/EEC	EN 61558-2-6:1997, EN 61558-1:1997+A1+A11
EMC Directive 89/336/EEC	EN 61326:1997+A1:1998+A2:2001+A3:2003 EN 61000-6-4:2001
Standard conformity	
Interference rejection	EN 61326:1997+A1:1998+A2:2001+A3:2003
Emitted interference	EN 61000-6-4:2001
Protection degree	EN 60529

**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:

- Automatic addressing of AS-Interface slaves
- 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**

Connection cable module/hand-held programming device

**V1S-TEE-V1/V1S**

T-Distributor

**V1-W-2M-PVC**

Cable connector