



Model number

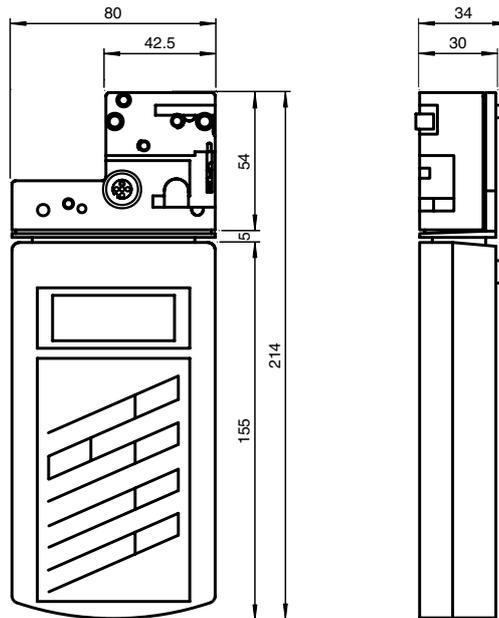
VBP-HH1-V3.0

AS-Interface Handheld

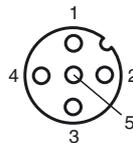
Features

- 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

Dimensions

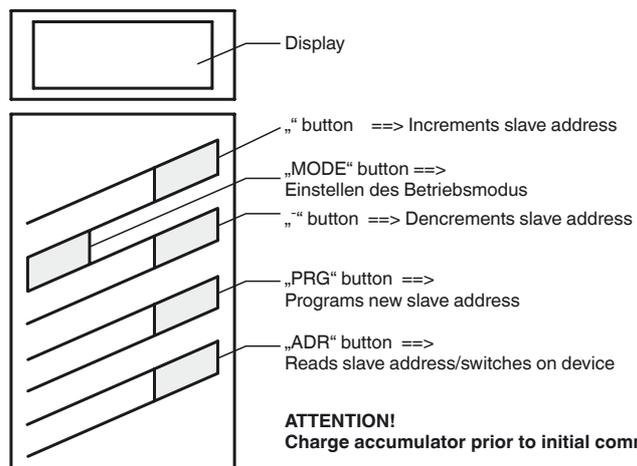


Electrical connection



- 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 |

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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 |

Ambient conditions

| | |
|---------------------|-------------------------------|
| Ambient temperature | 0 ... 40 °C (32 ... 104 °F) |
| Storage temperature | -20 ... 40 °C (-4 ... 104 °F) |

Mechanical specifications

| | |
|-------------------|---------------|
| Protection degree | IP20 |
| Material | |
| Housing | plastic |
| Mass | approx. 610 g |

Compliance with standards and directives

Directive conformity

| | |
|----------------------------------|--|
| Low Voltage Directive 2006/95/EC | Plug-in charging unit EN 60950-1:2006+A14:2009 |
| EMC Directive 2004/108/EC | Handheld: EN 61326-1:2006 Plug-in charging unit EN 61000-3-2:2006 , EN 61000-3-3:1995+A1:2001+A2:2005 , EN 55022:1998+A1:2000+A2:2006 , EN 55024:1998+A1:2001+A2:2003 |

Standard conformity

| | |
|----------------------|--|
| Noise immunity | Handheld: EN 61326-1:2006 Plug-in charging unit EN 61000-3-2:2006 , EN 61000-3-3:1995+A1:2001+A2:2005 |
| Emitted interference | Handheld: EN 61326-1:2006 Plug-in charging unit EN 55022:1998+A1:2000+A2:2006 , EN 55024:1998+A1:2001+A2:2003 |
| Protection degree | EN 60529:2000 |
| Electrical safety | Plug-in charging unit EN 60950-1:2006+A14:2009 |

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

VAZ-9VDC-CHRG-230VAC

Power Supply