



Model number

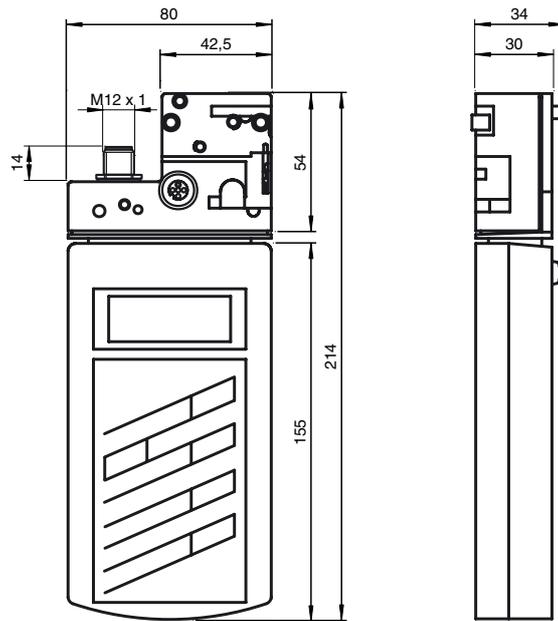
VBP-HH1-V3.0-V1-110V

AS-Interface Handheld

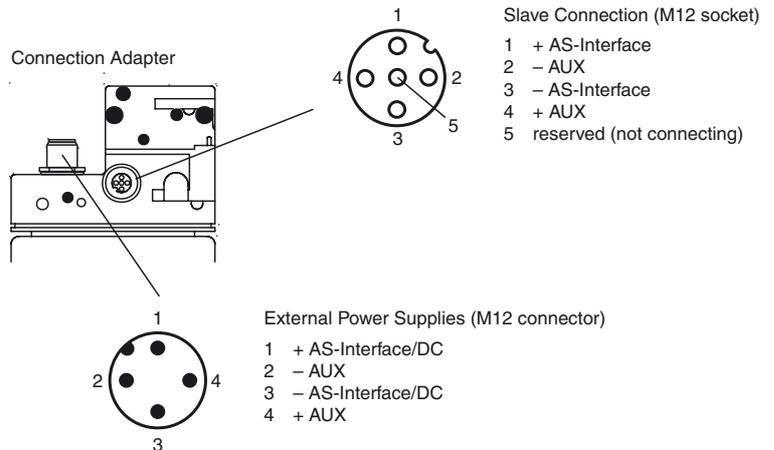
Features

- 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)
- Additional M12 plug for external power supply
- Battery charger included with delivery
- 4-pin, M12 extension cable and cable for standard programming jacks, both included with delivery

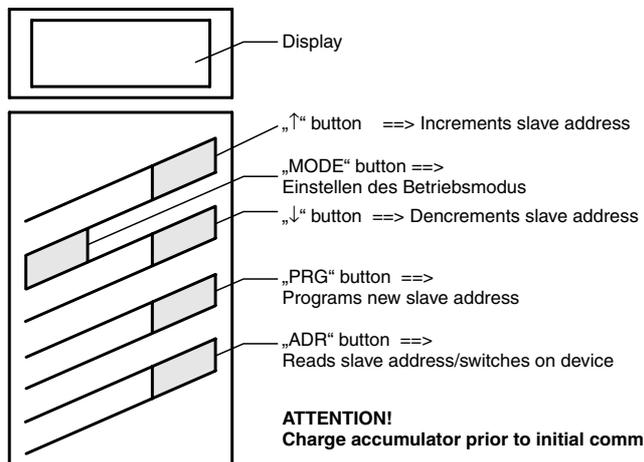
Dimensions



Electrical connection



Indicating / Operating means



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Subject to modifications without notice

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Technical data**General specifications**

AS-Interface specification	V3.0
Operating mode	plug-in charging unit, 110 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 ≥ 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-i and auxiliary voltage: M12x1 round connector for AUX/AS-i input supply
Open loop voltage	Up to 28 V supplied from internal battery; up to 30V supplied from external power source
Load current	100 mA at 25 V DC using Internal power or 200 mA at 30 V DC with additional power coming through M12 male connector ; An additional 2 A at 24 V DC can be supplied if external power supply connection is attached

Interface 2

Interface type	M12 connector for attaching AS-i and AUX power
Physical	AUX: 2 A at 24 V DC and AS-i: 200 mA at 30 V DC

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. 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-V1 is an addressing device according to AS-Interface specification 3.0.

This addressing device is used to program AS-Interface slaves and for function testing purposes.

In addition, the following new functionalities have been integrated:

- Automatic addressing of AS-Interface slaves
- Permanent data interchange with AS-Interface slaves
- Support of the data interchange with 4E4A slaves in ext. addressing mode
- Display 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 the connection of AS-Interface slaves (sensors, actuators and modules) to the addressing device. The following devices and models can be connected via a plug connection on the AS-Interface connection adapter to the addressing device:

devices with M12 plug, VariKont M system, VariKont system, FP model, AS-Interface module of models G1, G4, G16.

Please use the adapter cable VAZ-PK-1,5M-V1-G (included in the scope of delivery) for device models with integrated addressing jacks.

There is an additional M12 plug on the front side of the housing. It provides a connection possibility with external auxiliary voltage AUX for slaves, which expect this at the connection adapter. Due to the integrated decoupling coil it is also possible to connect DC- or AS-Interface voltage to energize the slave directly and to relieve the internal battery.

A connection cable for the extension is included in the scope of delivery.