

# AS-Interface Handheld with accessory VBP-HH1-V3.0-KIT-110V



- Addressing and programming AS-Interface nodes
- Displaying the assigned node addresses and the status of the inputs
- Setting outputs at the AS-Interface node
- Also supports profiles S-7.7.A.7 (Spec 3.0), S-0.B and S-7.B (AS Interface Safety at Work)
- The node 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

AS-Interface Handheld with accessory



## 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 nodes and to test part of their functions.

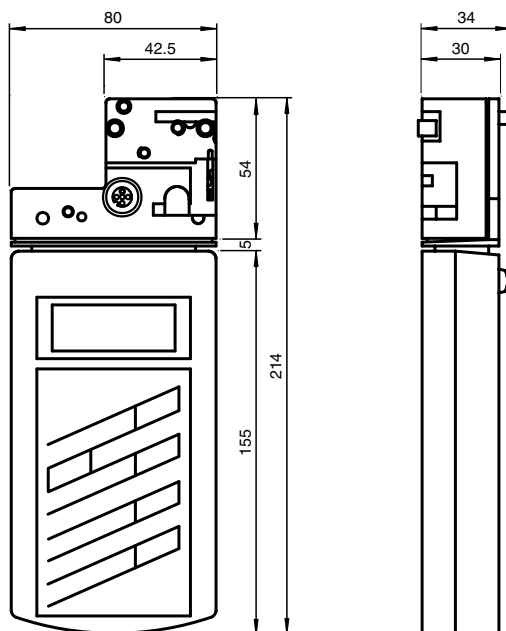
In addition, new functions have been incorporated:

- Permanent data exchange with AS-Interface nodes
- Support of the data exchange with 4E4A nodes in ext. addressing mode
- Indication of the safety code for AS-Interface Safety at Work nodes

The AS-Interface connection adapter on the top of the addressing device is used for connecting AS-Interface nodes such as 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, use the optional adapter cable.

## Dimensions

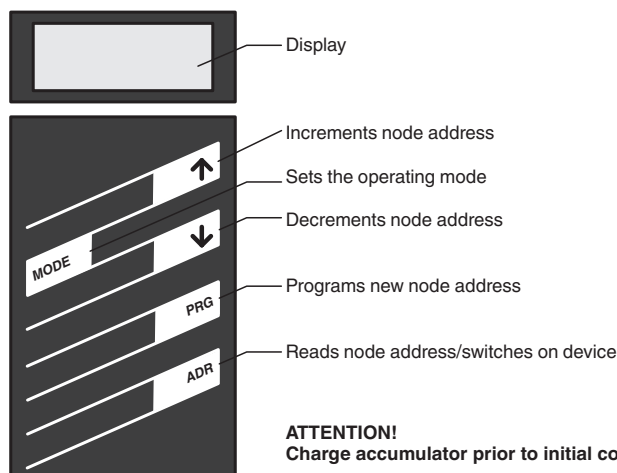


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## Technical Data

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)
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
Compliance with standards and directives	
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
Degree of protection	EN 60529:2000
Ambient conditions	
Ambient temperature	0 ... 40 °C (32 ... 104 °F)
Storage temperature	-20 ... 40 °C (-4 ... 104 °F)
Mechanical specifications	
Degree of protection	IP20
Material	
Housing	plastic
Mass	approx. 1000 g

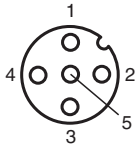
## Assembly



## Scope of Delivery



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-1MPUR. 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.

## Connection



- 1 AS-Interface +
- 2 digitaler Eingang für optische Adressieradapter
- 3 AS-Interface -
- 4 digitaler Ausgang für optische Adressieradapter
- 5 Spannungsversorgung für optische Adressieradapter

## Accessories

	<b>V1S-TEE-V1/V1S</b>	T-Splitter M12 plug to M12 plug / M12 socket 4-pin A-coded
	<b>VAZ-PK/G20-1M-V1-G</b>	Adapter cable G20 module/hand-held programming device