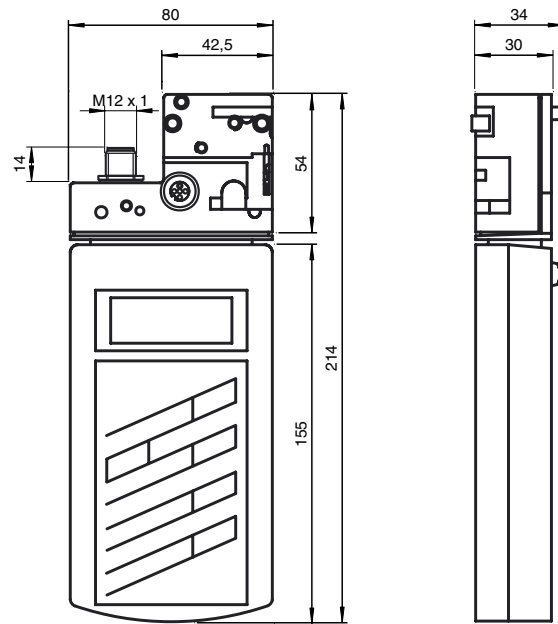CE

ASi INTERFACE

Spec. 3.0

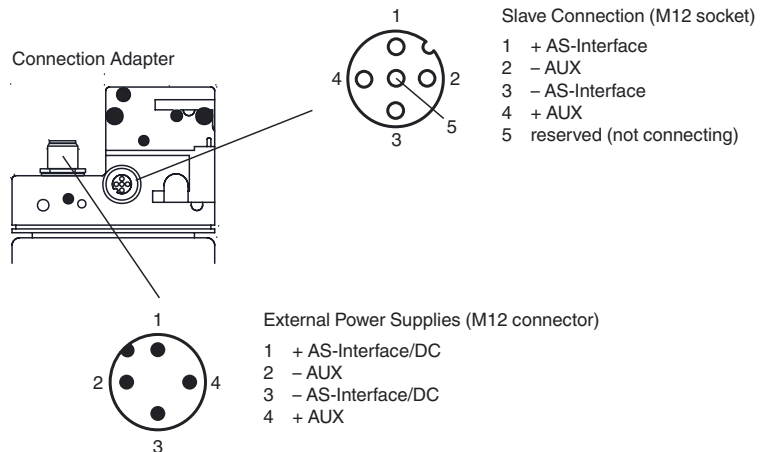## Model number

VBP-HH1-V3.0-V1

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
- Additional M12 plug for external power supply for AS-Interface and AUX
- Connecting cable included with delivery
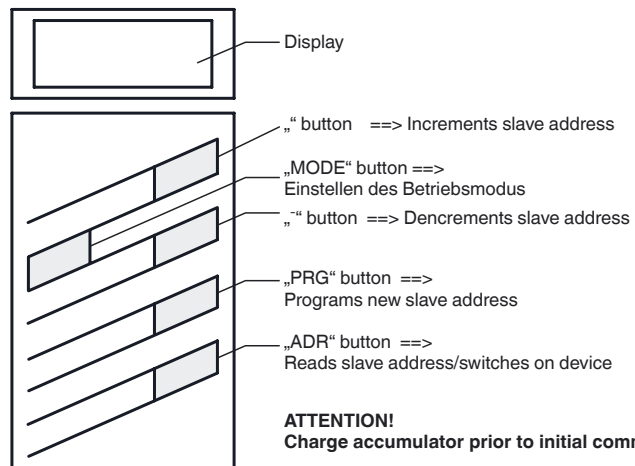- Battery charger included with delivery

Dimensions

Electrical connection

Connection Adapter

Slave Connection (M12 socket)

1   + AS-Interface
2   – AUX
3   – AS-Interface
4   + AUX
5   reserved (not connecting)

External Power Supplies (M12 connector)

1   + AS-Interface/DC
2   – AUX
3   – AS-Interface/DC
4   + AUX

Indicating / Operating means

Display

„" button   ==> Increments slave address

„MODE" button ==>
Einstellen des Betriebsmodus

„" button   ==> Dencrements slave address

„PRG" button   ==>
Programs new slave address

„ADR" button   ==>
Reads slave address/switches on device

ATTENTION!
Charge accumulator prior to initial commissioning.

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

| Pepperl+Fuchs Group | USA: +1 330 486 0001 | Germany: +49 621 776 4411 | Singapore: +65 6779 9091 |
| www.pepperl-fuchs.com | fa-info@us.pepperl-fuchs.com | fa-info@de.pepperl-fuchs.com | fa-info@sg.pepperl-fuchs.com |

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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 ≥ 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 and overload protected
Open loop voltage	28 V (internal power supply)
Load current	100 mA at 25 V (internal power supply)

Interface 2

Interface type	M12 connector for external power supply
Physical	AUX: 24 V PELV, 2 A (not short-circuit proof) AS-Interface: 31,6 V PELV (DC or AS-Interface), 200 mA (short-circuit proof)

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-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:

- 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.

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