AS-Interface Handheld
VBP-HH1-V3.0-110V

- 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
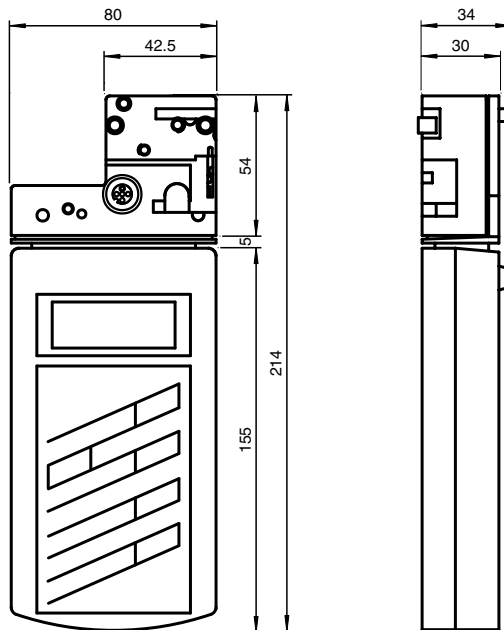
AS-Interface Handheld

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

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

| Pepperl+Fuchs Group | USA: +1 330 486 0001 | Germany: +49 621 776 1111 | 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 |

PEPPERL+FUCHS

1

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 ≥ 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

Directive conformity
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013

Standard conformity
Degree of protection	EN 60529:2000
Electrical safety	Plug-in charging unit UL 1310
Emitted interference	EN 61326-1:2013
Noise immunity	EN 61326-1:2013

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. 610 g

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

Release date: 2022-12-15 Date of issue: 2022-12-15 Filename: 279455_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".
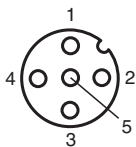Pepperl+Fuchs Group · www.pepperl-fuchs.com · USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com · Germany: +49 621 776 1111 fa-info@de.pepperl-fuchs.com · Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS   2

Assembly
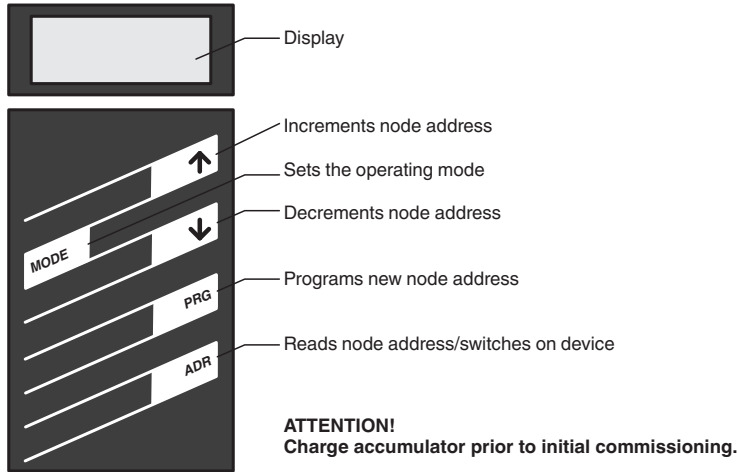
Display

Increments node address

Sets the operating mode

Decrements node address

Programs new node address

Reads node address/switches on device

ATTENTION!
Charge accumulator prior to initial commissioning.

Accessories

	VAZ-PK-1,5M-V1-G	Adapter cable module/hand-held programming device
	V1S-TEE-V1/V1S	T-Splitter M12 plug to M12 plug / M12 socket 4-pin A-coded
	VAZ-PK-FK-0,2M-V1-W	Adapter cable G10 module/hand-held programming device
	VAZ-PK/G20-1M-V1-G	Adapter cable G20 module/hand-held programming device

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

Pepperl+Fuchs Group	USA: +1 330 486 0001	Germany: +49 621 776 1111	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

PEPPERL+FUCHS

3