

AS-Interface even faster addressed using the new Handheld V3.0



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The most advanced and fastest option to set an AS-Interface strand into operation

Simplicity, flexibility and extremely short installation times are the most important reasons for the great success of AS-Interface. The new handheld generation V3.0 supports all functions available by Spec. 3.0 and it shortens set-up time significantly.

The design of our handheld enables a one-hand operation as well as a direct connection to several AS-i nodes. The necessary information is always available on display. We improved the V3.0 version by a even more powerful processor with extended memory size for additional functionalities. The following lines give you a brief overview about the benefits in application.

Semi automatic addressing

- The main function is the addressing of AS-I nodes. The new device automatically recognizes a connected node and starts the communication. The next free address will be proposed in an addressing session.

By simply pressing the PRG button you can accept it or you are able to select another address by using the arrow buttons.

The set-up time for addressing can be reduced by more than 50%.

The sequence of addressing is defined as 1A, 1B, 2A, 2B, 3A, ..., to guarantee that also at the very end of addressing a node with full address (e.g. safety modules) can be addressed.

Avoiding of double addressing

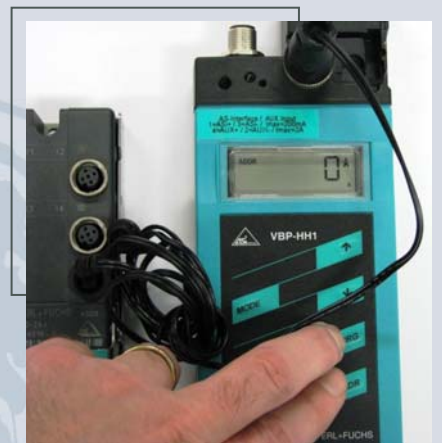
- All used addresses will be stored and indicated during one addressing session for one AS-I strand.

Only by pressing the PRG button extra long (2s) an already used address can willingly be used again. By that way double addressing will be prohibited during setting into operation very efficiently.

To address further AS-I strands the memory can be reset by pressing ADR + PRG at the same time and a new session addressing can be done.



Addressing by pressing only once



Reset of memory storage to start the next session addressing of a new AS-i strand

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Activation of outputs – also permanently

By pressing the mode button several times you get into the DATA mode. In this mode you can set the outputs.

The output selection is organized binary:

„1“ = output 1 is active

„2“ = output 2 is active

„3“ = output 1 and 2 is active

etc.

„F“ = output 1,2,3 and 4 is active

The outputs are fired as long as the PRG button is hold pressed.

To permanently activate the outputs you have to press subsequently the ADR button.

The outputs stay active as long as the ADR button is pressed again.

This function enables you to activate outputs and connected actuators permanently for run-in option or for adjustments which can be done only during operation. This is especially very helpful in conveying applications to ensure that the conveying belts are performing properly.

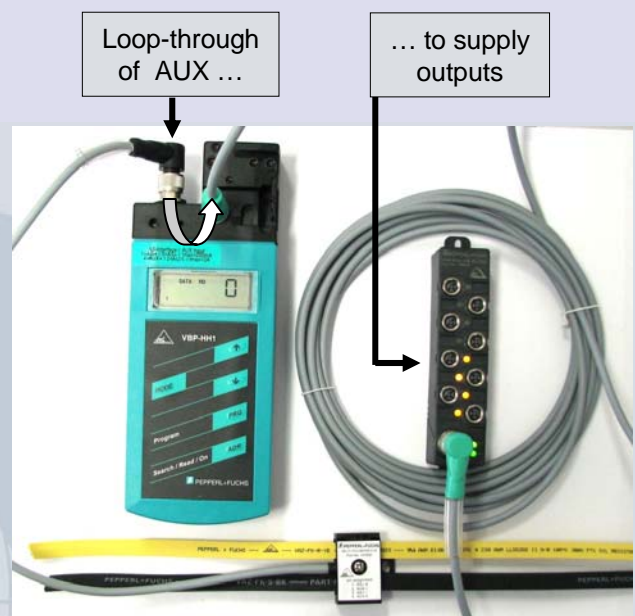


Press the „MODE“ button to switch into the menu „DATA“ for setting outputs.

Due to the fact that actuators need additional auxiliary power an additional variant of handheld VBP-HH1-V3.0-V1 is available. Via an additional M12 connector AS-i and AUX power can be looped through easily.

Just disconnect the M12 connector on the end device and connect it with the socket on top of the handheld. By using the enclosed M12 extension cable connect the M12 metal socket on the handheld with the end device. The picture on the right shows how a AS-I node with outputs can be connected and supplied with AS-I and AUX power externally.

By that means also heavy actuators can be controlled by this smart AS-I handheld.



Anschaltung mit Durchschleifen von AUX

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Reading of code sequences (safe nodes)

Safe AS-i nodes answer a master call by 4 bit code sequences which are generated dynamically inside the node as life sign. The monitor is listening to the communication.

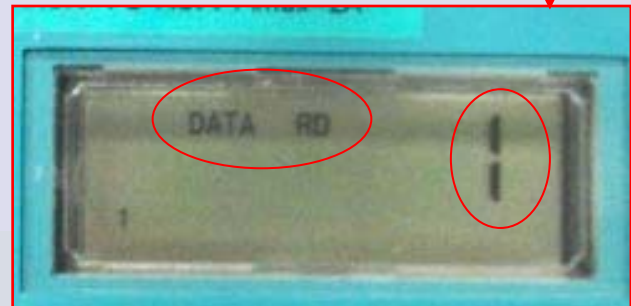
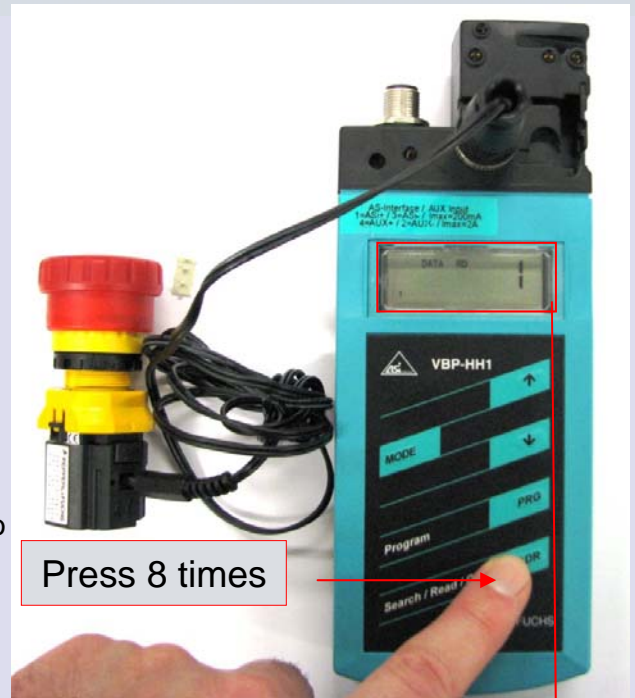
„0000“ is equivalent to a „safety shut-down“ e.g. if a e-stop has been activated.

In normal operation the code sequences are changing permanently. Before setting into operation a teach-in process is started to store the code tables inside the monitor.

The code sequences are communicated only if no e-stop is pressed and if e.g. a two hand operation panel for a press is manually activated, particularly. This is not always easy to assure.

The handheld version V3.0 offers the option to read-out the codes sequence and to copy the code table in the configuration program of the monitor.

For that function go into the DATA mode and press the ADR button 8 times step by step to get the 8 code sequences half byte wise.



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The right choice for all AS-Interface applications!

Order Code	Description
VBP-HH1-V3.0	Handheld V3.0 without AUX loop-through, 230V
VBP-HH1-V3.0-V1	Handheld V3.0 with AUX loop-through, 230V
VBP-HH1-V3.0-110V	Handheld V3.0 without AUX loop-through, 110V

Commissioning of VBP-HH1-V3.0

- Handheld V3.0
- Charger for 230 VAC
- Operation manual on CD

Commissioning of VBP-HH1-V3.0-V1

- Handheld V3.0
- Charger for 230 VAC
- Programming cable
- M12 jumper cable, 1m length
- Operation manual on CD

Commissioning of VBP-HH1-V3.0-110V

- Handheld V3.0
- Charger for 110 VAC
- Operation manual on CD



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