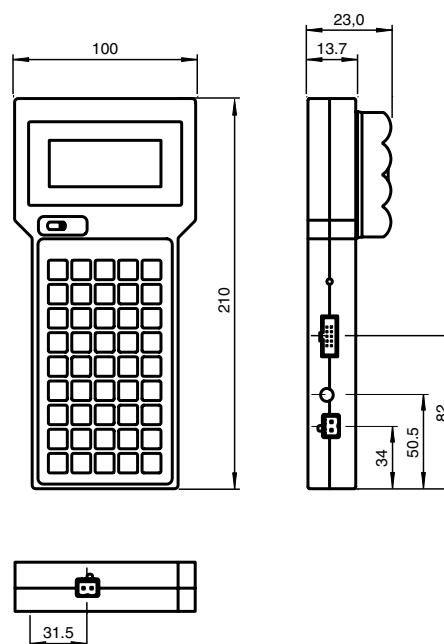## Model number

VAP-HH2

Handheld programming device

Features

- Bus monitor
- Simulation of an additional slave
- Slave programming
- Master simulation
- LC display error evaluation

Dimensions

Technical data

Indicators/operating means	
Display	LC display, 4-line for every 16 characters
Keyboard	membrane keys, 45 keys
Electrical specifications	
Power supply	4.8-6 V, 0.5 Ah; cell or battery operating time with battery programming: 8 h
Ambient conditions	
Ambient temperature	0 ... 55 °C (32 ... 131 °F)
Storage temperature	-20 ... 55 °C (-4 ... 131 °F)
Mechanical specifications	
Degree of protection	IP52 according to EN 60529
Mass	approx. 700 g (including battery)

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

PEPPERL+FUCHS
SENSING YOUR NEEDS

1

Notes

VAP-HH2 is a compact servicing and programming unit for the commissioning and servicing of AS-Interface networks. These functions are intended to assist in providing exact information on the state of the bus as well as significant electrical and communications engineering information and to support and speed up maintenance and troubleshooting. The VAP-HH2 is designed as a compact hand-held terminal, which can be connected anywhere on an AS-Interface when battery-operated. In the case of continuous operation for the indication and data collection for error statistics, the device can be supplied with power by the AS-Interface.

The four operating modes
- Bus monitoring (analysis)
- Simulation of slave
- Simulation of master
- Programming

guarantee convenient management.

VAP-HH2 functions as a **bus monitor**; all activities of the master and the slaves are registered and evaluated. These include the recording of bus telegrams over an certain period of time as well as the registration of error statistics. Furthermore, VAP-HH2 can be used to check a switched-off bus for electrical short circuits or maladjustments.

In the **Simulation of slave** operating mode, VAP-HH2 behaves like an additional slave on the bus while the operation address is freely assignable.

In the **Simulation of master** operating mode, VAP-HH2 generates the entire cycle of all master calls, but only permits the electrical connection of one slave to check its parameter assignment, configuration and address configuration.

In the **Programming** operating mode, the slave is connected to VAP-HH2. The operation address can be output, displayed and verified.

In addition, VAP-HH2 is provided with self-test functions which monitor transmission and receipt via the devices own AS-Interface interface in order to exclude internal errors (hardware).

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 4411
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS
SENSING YOUR NEEDS