

## the H@rt BluePack - a HART Bluetooth/USB Interface

### Description

HART Bluetooth interface for set-up, parameterisation and maintenance

the H@rt BluePack is a versatile interface which supports wireless (Bluetooth) and wired (USB) access to a HART network. It can be employed as an up-to-date replacement for the still widely used RS-232-HART modem solutions. Additionally to its modem capabilities the H@rt BluePack runs an embedded HART master stack.

The active HART master stack guarantees compliance with the HART timing requirements regardless of the speed of the PC host application or the data transmission quality between the host and the Bluetooth device. This can be of considerable advantage if using the interface in multi-master environments or in connection with burst-mode slaves. The stack can be configured to work as primary or secondary master.

The interface can be powered via the USB connection or 3 replaceable AAA cells. If operating in battery mode it can be powered down by an on/off-button. To increase the life span of the batteries the device switches to sleep mode if no Bluetooth communication takes places. The activity on the HART network is indicated by one LED. Access to the HART network is achieved by two test clips.

### Software

The interface can be accessed via the isHRT CommDTM from ifak system. The DTM integrates the H@rt BluePack into every FDT-frame application. The DTM takes advantage of the active master stack. It uses a proprietary API-DLL which is supplied with the interface driver software package. To support already existing applications that rely on RS232 modems a virtual COM-port was implemented that provides access to such solutions as Emerson AMS® or the HCF server.



Figure: Bluetooth/USB interface the H@rt BluePack

### the H@rt BluePack

<b>Connectors</b>	2 test clips, mini-USB
<b>Dimensions</b>	85mm x 54mm x 26mm
<b>Transmission rate</b>	USB: 12Mbit/s HART: 1200 Bit/s Bluetooth: up to 2,1 Mbit/s
<b>Driver software</b>	Windows 2000, XP, Vista
<b>Delivery content</b>	Hardware, Driver, Configuration and Test software on CD, Documentation English/German
<b>Available software</b>	isHRT CommDTM (FDT 1.2.1)