

Data sheet		 Messtechnik GmbH & Co. KG
IMB – uh1		
Doc. no. : D2MF122 151	Rev. : 12/23	



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The IMBus module IMB-uh1 allows the connection of an IBR Bluetooth-USB receiver (compatible to gauges with integrated Bluetooth by Sylvac, Trimos and Bowers) and the connection of gauges by Mitutoyo, Sylvac and Mahr via USB connection cables (complete list of gauges : see page 3).

Designation :	Art. no.
IMB – uh1	F122 151

Characteristics :

Housing	Aluminium and plastic side parts
Dimensions W x H x D / Weight	37.5 x 49.25 x 62 mm / approx. 80 g
Working temperature range	0...45 °C
Storage temperature range	-20...80 °C
Power consumption via IMBus	< 60 mA with connected Bluetooth-USB receiver or with connected USB gauge connection cable

Software requirements :

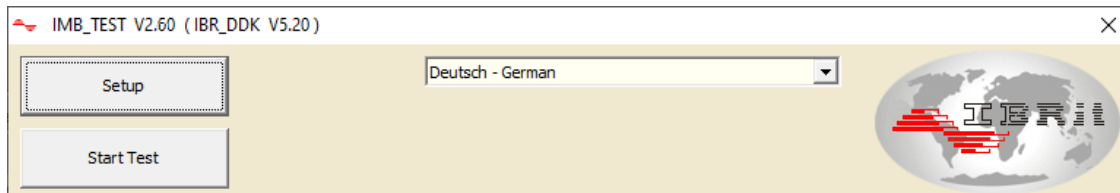
The following software versions are at least required to be able to use the IMB-uh1 :

ComGage Professional : V5.12
ComGage Level 1 / Level 2 : V5.52
IBREXDLL : V9.02
IMB_Test : V2.60
IBR_DDK : V5.20

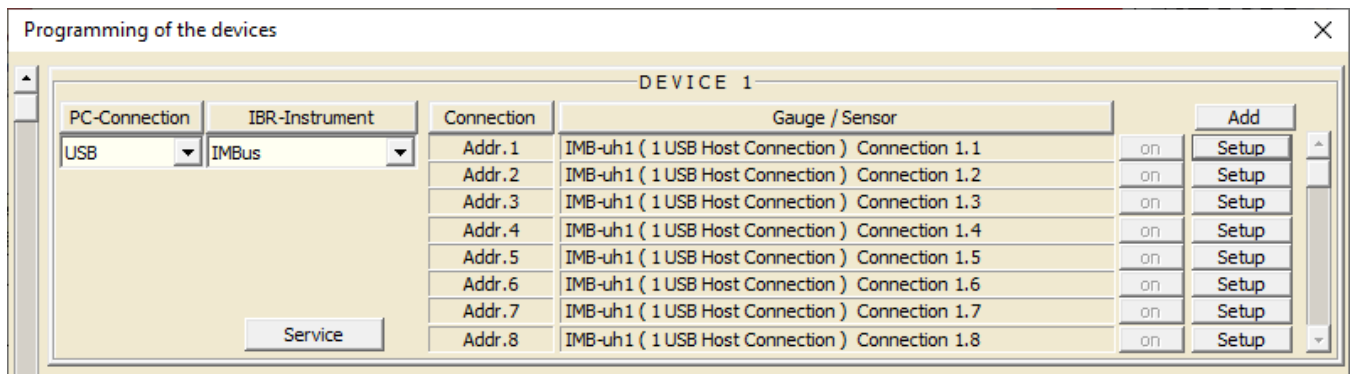
Configuration :

The IMB-uh1 allows the use of different drivers, depending on what type of gauge or IBR Bluetooth-USB receiver has to be connected. The configuration can be done in every software with integrated IBR_DDK.dll (here, as an example, the IMB_Test V2.60 is used).

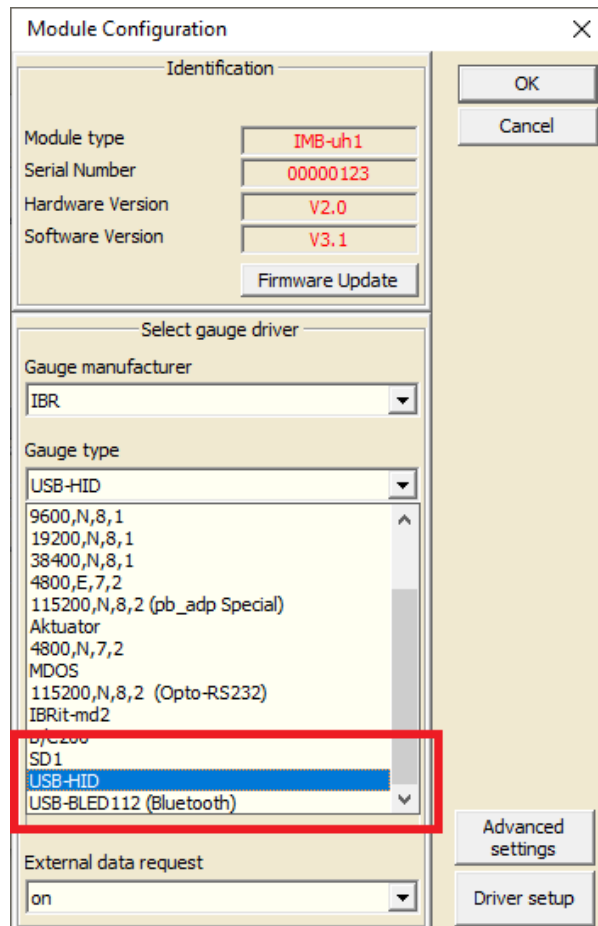
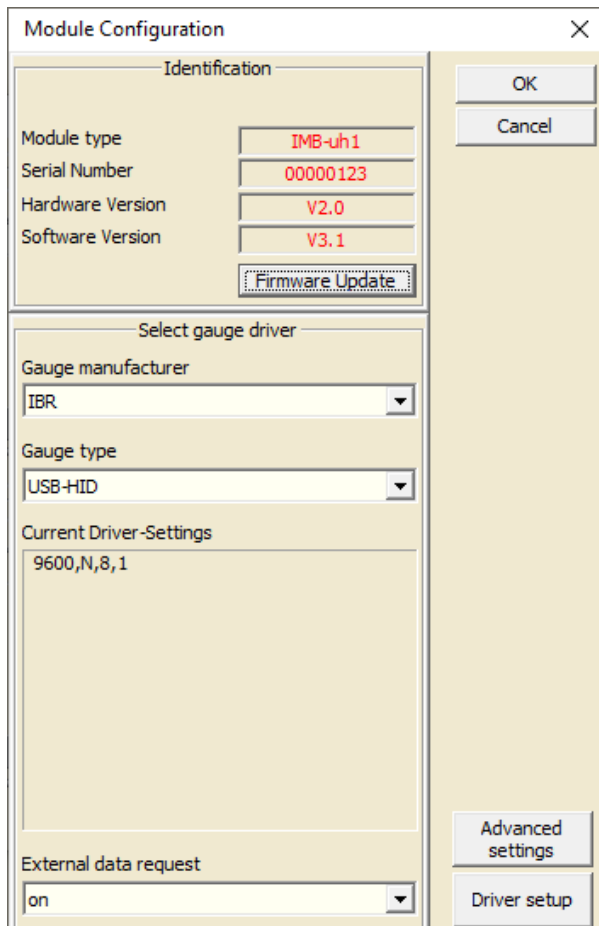
The button "Setup" opens the hardware setup :



After selection of *PC-Connection* and *IBR-Instrument*, the hardware is detected. Depending on the current driver, 1 to 8 addresses are shown for the IMB-uh1 :



By clicking one of the "Setup" buttons belonging to the IMB-uh1, a configuration window can be opened. Here, the *gauge manufacturer* and *gauge type* can be selected. When "OK" is clicked, the driver is loaded into the module.



Supported devices :

Device	Gauge driver	
	Gauge manufacturer	Gauge type
IBR SD1 + 3i-usb cable	IBR	SD1
Diatron DT1000 + 3i-usb cable	IBR	SD1
Microtest IE700 + 3i-usb cable	IBR	SD1
Sylvac handheld gauges + Sylvac USB cable (Opto-RS232, Proximity, PowerRS, ...)	Sylvac	Opto-RS232 (Duplex)
Mahr handheld gauges + MarConnect USB cable Note : Only the data button at the gauge can be used for the data transmission. An external request is not possible.	Sylvac	Opto-RS232 (Simplex)
Mitutoyo handheld gauges + Mitutoyo USB cable Note : Only the data button at the gauge can be used for the data transmission. An external request is not possible.	IBR	USB-HID
USB keyboards and other USB-HID compatible input devices Note : Only the data input via the keyboard or the input device is working. An external request is not possible.	IBR	USB-HID
IBR Bluetooth-USB receiver [F122 155] + Sylvac gauges with integrated Bluetooth	IBR	USB-BLED112 (Bluetooth)

Other gauges on request.