

HLG Databoy – RFID Bluetooth Reader

With storage function, 4-line display & optional with WLAN antenna, flexible bar antenna or integrated GPS module!

Product description:

- 3 LEDs for operating indication
- Illuminated liquid-crystal display, 4-line display with 20 characters
- Foil keyboard with 12 keys, layout individual
- Data transfer is possible via Bluetooth and via RS232 interface
- 2 operating modes: On- & Offline mode
 - Online mode: complete control via PC, PDA, mobile phone etc.
 - Offline mode: Recording of the Tag-ID and the time stamp as well as GPS coordinates (optional) in the internal data memory
- 8 Mbit data memory
- Frequency: 125kHz, 13,56MHz, 868MHz or combined reader modules
- **Optional:** 1D/2D barcode scanner, integrated GPS module or with flexible bar antenna (L: 30cm or 60cm)



Application fields of the HLG Databoy:

- Construction Logistics
- Animal Identification
- Waste Management
- Product Pursuit
- Research Laboratories
- Forestry
- Identification of hardly accessible objects with the flexible bar antenna
- Applications in which an exact position has to be registered (GPS detection) and is sufficient not only the identification of objects

<u>Technical specification</u>					
Dimension (LxBxH) in mm:	125 x 80 x 37 (Basic device) 180 x 84 x 38 (Large case/GPS)		Data transfer via:	- Bluetooth: Class 1 (100m), Class 2 (10m) - RS232 interface	
Weight incl. batteries:	ca. 250 g (Basic device/RFID/BC) ca. 370 g (Large case/RFID/BC/GPS)		Bluetooth antenna:	Integrated	
Color:	similar RAL 5020 ocean-blue		Reader antenna:	Internal ferrite coil for glass tags or internal air coil for disk tags	
Casing:	ABS Plastic		Reader range:	- Basic device: max. 12 cm - UHF device: max. 70 cm (dep. on tag types) - LF with flexible bar antenna: 5 cm	
Protection type:	IP 54		Display:	LCD display with background lighting and 4-line with 20 characters each	
Operating temperature:	0°C up to + 50°C		Memory:	8 Mbit (1MByte)	
Power supply:	2 batteries/ rechargeable batteries – type Mignon AA/charge socket, power supply pack				
Types of readers:	TRV (125 kHz)	MT01 (13,56 MHz)	MT02 (13,56 MHz)	MT03 (125 kHz)	MT04 (868 MHz)
Types of transponders:	TROVAN	ISO 15693, I-Code 1, Tag-it	ISO 15693, ISO 14443	ISO 11784, Q5, Hitag 1, Hitag 2, Hitag S, Unique EM4x02, FDX-B EM4x05, Titan EM4x50, TIRIS HDX	ISO 18000- 6B/C, EPC Class1 Gen2
Barcode scanner (optional):	1D		2D		
Barcodes:	UPC/EAN, Code 128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS		Australien Post, Aztec Code, British Post, Canadian Post, China Post, Codabar, Codablock F, Code 11, Code 128, Code 16K, Straight 2 of 5 Industrial, Code 39, Code 49, Code 93, Data Matrix, EAN/JAN-13, EAN/JAN-8, EAN UCC Composite Codes, Straight 2 of 5 IATA, Interleaved 2 of 5, Japanese Post, Kix (Netherlands) Post, Korea Post, Matrix 2 of 5, MaxiCode, MicroPDF417, MSI, PDF417, Planet Code, Plessey Code, PosiCode A and B, Postnet, QR Code, RSS, TCIF Linked Code 39 (TLC39), Telepen, UPC-A, UPC-A/EAN-13 with Extended Coupon Code		
Optional:	→ Flexible bar antenna (Length 30cm or 60cm) → Integrated GPS module (20-Channel high sensitiv GPS, L1=1575,42MHz)				

Order-No.:	<u>Versions of the Databoy</u>				Optional
	Name	RFID	Barcode	Interface	
A2313.010.001	HLG Databoy	125 kHz MT03	None	BT10 / RS232	
A2313.010.002	HLG Databoy	125 kHz MT03	None	BT100 / RS232	
A2313.010.003	HLG Databoy	125 kHz MT03	1D	BT10 / RS232	
A2313.010.004	HLG Databoy	125 kHz MT03	1D	BT100 / RS232	
A2313.010.005	HLG Databoy	13,56 MHz MT01	None	BT10 / RS232	
A2313.010.006	HLG Databoy	13,56 MHz MT01	1D	BT10 / RS232	
A2313.010.007	HLG Databoy	125 kHz TRV	None	BT10 / RS232	
A2313.010.008	HLG Databoy	125 kHz TRV	1D	BT10 / RS232	
A2313.010.009	HLG Databoy	13,56 MHz MT02	None	BT10 / RS232	
A2313.010.010	HLG Databoy	13,56 MHz MT02	None	BT100 / RS232	
A2313.010.011	HLG Databoy	13,56 MHz MT02	1D	BT10 / RS232	
A2313.010.012	HLG Databoy	13,56 MHz MT02	1D	BT100 / RS232	
A2313.010.013	HLG Databoy	125 kHz TRV	None	BT100 / RS232	
A2313.010.014	HLG Databoy	125 kHz TRV	1D	BT100 / RS232	
A2313.010.015	HLG Databoy	13,56 MHz MT01	None	BT100 / RS232	
A2313.010.016	HLG Databoy	13,56 MHz MT01	1D	BT100 / RS232	
A2313.010.017	HLG Databoy	13,56 MHz MT02	None	RS232	
A2313.010.019	HLG Databoy	125 kHz MT03	1D	BT100 / RS232	
A2313.010.020	HLG Databoy	125 kHz MT03	2D	BT10 / RS232	
A2313.010.021	HLG Databoy	125 kHz MT03	None	RS232	
A2313.010.022	HLG Databoy	125 kHz MT03	None	BT10 / RS232	
A2313.010.023	HLG Databoy	13,56MHz/125kHz MT02/MT03	None	BT10 / RS232	
A2313.010.024	HLG Databoy	125 kHz MT03	1D	BT10 / RS232	
A2313.010.025	HLG Databoy	125 kHz MT01	2D	BT10 / RS232	
A2313.010.026	HLG Databoy	868 MHz MT04	None	BT10 / RS232	
A2313.010.027	HLG Databoy	868 MHz MT04	1D	BT10 / RS232	
A2313.010.028	HLG Databoy	868 MHz MT04	None	BT10 / RS232	Flex. bar antenna, L: 30cm
A2313.010.029	HLG Databoy	125 kHz MT03	None	BT10 / RS232	Flex. bar antenna, L: 30cm
A2313.010.030	HLG Databoy	125 kHz MT03	None	BT10 / RS232	Integrated GPS module
A2313.010.031	HLG Databoy	868 MHz MT04	None	BT10 / RS232	Integrated GPS module
A2313.010.032	HLG Databoy	868 MHz MT04	1D	BT10 / RS232	Integrated GPS module
A2313.010.033	HLG Databoy	125 kHz MT03	1D	BT10 / RS232	Integrated GPS module
A2313.010.035	HLG Databoy	868 MHz MT04	None	BT10 / RS232	Flex. bar antenna, L: 60cm
A2313.010.036	HLG Databoy	125 kHz MT03	None	BT10 / RS232	Flex. bar antenna, L: 60cm
A2313.010.100	HLG Databoy	None	1D	BT10 / RS232	
A2313.010.101	HLG Databoy	None	1D	BT100 / RS232	

* All types of Databoy are available with the specific temperature range (20°C to +70°C).

Abbreviations:

- **BT10** = Bluetooth Class 2 (10 m) → **BT100** = Bluetooth Class 1 (100m) → **BC** = Barcode scanner → **TRV** = TROVAN
- **MT01** (125kHz Tags) = ISO 15693 (I-Code 1, I-Code SLI, my-d vicinity, STM LRI 512, Tag-it HF, Tag-it)
- **MT02** (13,56MHz Tags) = ISO 15693, ISO 14443 (Mifare)
- **MT03** (13,56MHz Tags) = Q5, Hitag1/2/S, Unique EM4X02, EM4X05, EM4X50, FDX-B, TI-RFID Systems 134,2 kHz 64 Bit R/O+RW