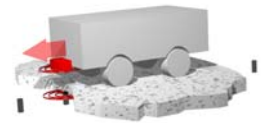


Transponder Reader / Programmer

HG G-81830-A

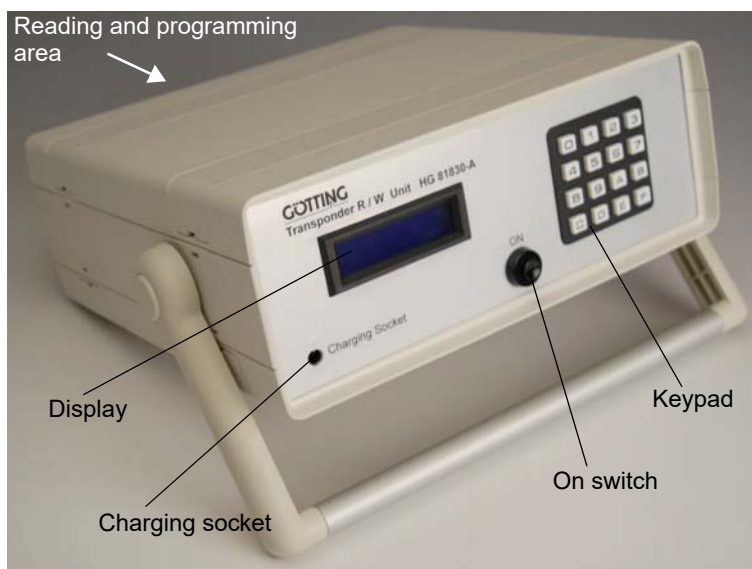
The Transponder Reader / Programmer HG 81830-A is a mobile unit for reading and programming transponder codes. There are different versions for different transponder

and antenna models available (refer to Table below). Operation is the same for all different variants. Only the code word lengths are different.



Variant	Transponder Model	Götting Positioning Antennas	Code word length		largest programmable Code
			Write	Read	
VA	13.5 MHz HG 70660ZA	HG 98780	32Bit	32Bit	FFFF.FFFF _h / 4294967295 _d
WA	409 kHz HG 71325YA	HG 71450ZA, HG 71451ZA, HG 71453ZA	16 Bit	16 Bit	FFFF _h / 65535 _d
XA / UA	125 kHz HG 71325ZA	HG 71450YA, HG 71451YA, HG 71453YA	16 Bit	16 Bit	FFFF _h / 65535 _d
YA	Trovan™, e. g. HW DEV00095	HG 71910, HG 71912, HG 98760, HG 98810	20 Bit	32 Bit	FFFFF _h / 1048575 _d
TA	125 kHz HG 70653ZA	HG 98850, HG 98860	20 Bit	32 Bit	FFFFF _h / 1048575 _d

Table:
Variants of Transponder Programmer / Reader



Operation

Note: Fully charge the battery (accumulator) before first use of the device. This takes approximately 12 hours. Use the provided power supply pack.

Switch on

Pressing the ON push-button for approx. 1 second, switches on the Transponder Reader / Programmer. The display will then show the device model number and the corresponding transponder system for approx. 1 second. If the push-button <D> is pressed during this period of time, the device switches to decimal input mode. This is confirmed on the display. Now it is possible to enter the transponder codes in decimal

numbers. In any other case, the transponder code has to be entered in hexa-decimal numbers.

In case it is not possible to switch on the Transponder Reader / Programmer, most likely the batteries are discharged. In this case it is necessary to operate the unit via the provided power cable. The accumulators are charged any time the unit is connected to power via the power cable, regardless of whether or not it is operated.

Reading Transponders

Following the initial display of the transponder system, the message `<Code reading...>` appears.

Any time a suitable transponder enters the reading/programming area (rear side of the device), the transponder code is displayed in hexa-decimal numbers in the first line of the display and in decimal numbers in the second line.

The reading distance and reading area depend on the used transponder models. Only a certain part of the rear side of the device can be used for reading and programming transponders. Due to the used technology, there are areas of reception and erasement. However, as a rule, it is possible to read a standing transponder on the center of the rear side of the device.

Programming Transponders

Enter the code in the selected number system (refer to section Switch on) via the keypad on the display side of the device. Once

the first character has been keyed in, the display changes: `<Enter Code (h):>` Enter the remaining characters. The characters `A..F` are ignored in decimal mode.

Once the last character has been entered, the programming process is immediately generated. It is not possible to make corrections of the entered characters. It is essential, that all required code digits are entered, i. e. for small code numbers, it is necessary to enter the leading zeros.

In case a decimal number is entered, that exceeds the allowed range, the message `<Code too big>` is output and the code disregarded. It is then necessary to choose a different code and enter the code anew.

Switch off

The device switches off automatically after approx. 30 seconds, provided it is neither in input mode, nor is a transponder within reading range (the switch off period is started anew each time the display message `<Code reading...>` appears).

Accumulators

The Transponder Reader / Programmer has a lead-gel accumulator with a capacity of 2.3 Ah. It can be charged via the charging socket with the provided power cable. The operation time depends on the operating temperature and is approx. 8 hours for vari-

ants WA and XA and approx. 4 hours for variants VA, YA and TA. Variants VA/YA/TA also show a special message each time the battery power falls below a certain value. The device switches off if the battery power is too low.

Technical Data

- Casing	260 x 110 x 250 mm (W x H x D without handle)
- Weight	2500 g
- Protection Class	IP20
- Operating Voltage	12 to 14 V
- Current Assumption at 12 V	< 1 A for charging and operation
- Connectors	charging socket (barrel connector socket 5.1/2.1 mm)
- Power Cable	100 to 240 V AC, 50 to 60 Hz
- Net Code Length	refer to the variants table
- Relative Humidity at 25° C	95 % (without due)
- Operating Temperature	0 to 50° C