

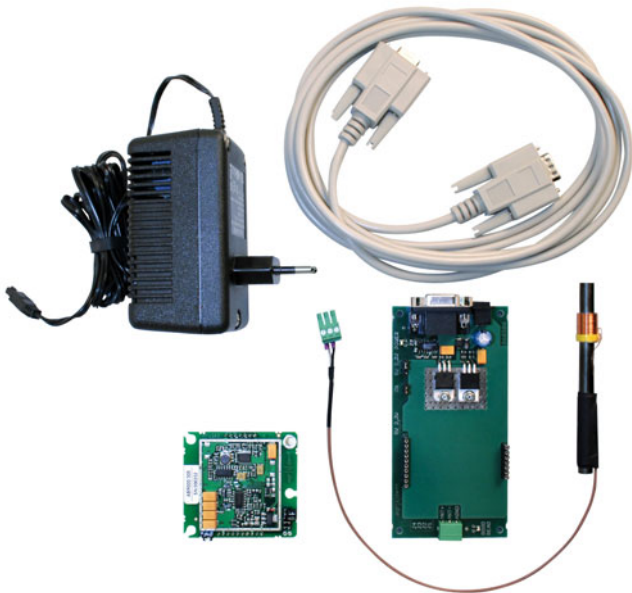
OEM reader module ABR105 – small size great power

The new ABR105 OEM reader module is fully compatible to ISO 11784 and 11785. With its small size, the adaptation to Li-ION batteries and an additional USB port it is perfectly suited for the

integration into mobile devices like handheld computers. Although the compact size of the board and the low power consumption it provides a very good reading range for HDX and FDX transponders.

Advantages of the ABR105

- The OEM reader module is fully compatible to the ISO standard 11784/5 and thus reads HDX- and FDX-B transponders. H4002 compatible transponders can be read optionally.
- Applicable for either 2-4 volt or 5 volt.
- The 2 to 4 volt modus is designed for the operation with Li-Ion batteries (variable voltage), no additional converter is needed.
- The small dimensions allow the integration in various handheld devices.
- Easy communication via RS232 at TTL level (Rx/D, Tx/D) or USB. 2.0
- Demosoftware, SDK and Evaluation Kit available.



ABR Evaluation Kit

Technical Data ABR105

Frequency	134.2 KHz
Transponder types	HDX compatible (ISO 11784/5) FDX-B compatible (ISO 11784/5) H4002 compatible (optional)
Reading range	With 100 Ferrite typical 20 cm with HDX transponder of Ø 30 mm typical 17cm with FDX-B transponder of Ø 30 mm Depending on transponder type
Interfaces	RS232 at TTL level or USB 2.0
Power supply	5 volt: linear/stabilized/regulated/filtered 2 to 4 volt: Lithium battery
Power consumption	approx. 1 watt
Antennas	coil or ferrite with an inductance of 275 µH
Dimensions	L x W x H: 40 x 30 x 9 mm
Weight	10 g

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