

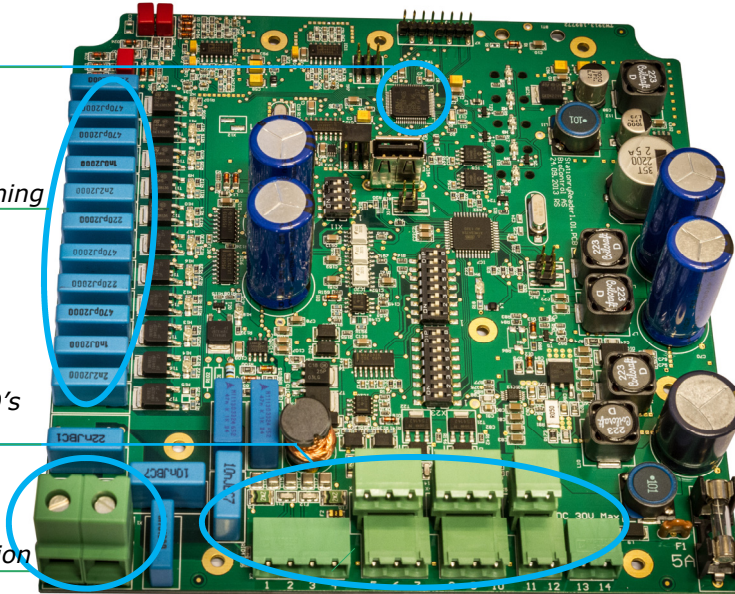
The SR 3000 V2 is a Stationary Reader for ISO 11784/11785 transponders with exceptionally good RFID performance. It comes with a range of panel antennas and can read and control two inputs and outputs. It is designed for easy integration by OEM's and System Integrators.

Dedicated RFID processor

Antenna Auto tuning

Standardized I/O's and interface

High conducting antenna connection



**Improvements SR3000 V2 compared to SR3000 (V1)**

- Improved auto-tuning accuracy for optimum antenna voltage
- Significantly improved ISO FDX-B and HDX reading performance
- Larger Power Supply range (11-30 VDC)
- Enhanced self-diagnostics features

The SR3000 V2 is pin- and software compatible with the SR3000 (V1)

● **Designed for easy integration by OEM's and System Integrators**

The SR 3000 V2 replaces the powerful SR 3000 (V1). Just like the V1, the V2 is equipped with standardized computer interface to suit both **RS232** interface with a PC or other serial device, as well as **addressable** interface on a **RS485** field bus.

The **2 inputs** are equipped with pull-up resistors and can be used e.g. for detecting a gate switch or photo cell. The **2 solid state outputs** can be used e.g. to operate relays or actuators. A simple communication protocol sets and reads the I/O's and can also switch on/off the HF-field.

The integrated **auto-tuning** warrants optimum identification in dynamic environments, even when the antenna environment changes due to (unexpected) external circumstances.

The **DSP**-algorithm is fine-tuned for optimum RFID performance with both FDX-B and HDX transponders. The DSP-software can be (re)loaded from a PC to embed latest RFID and noise cancellation algorithms.

● **RFID**

- 134.2 kHz
- Reads HDX and FDX-B transponder according to ISO 11784/11785
- DSP processor for enhanced RFID performance
- Antenna automatically (re-)tunes to compensate changes in antenna environment

● **SR3000 V2 Stationary Antenna's**

- |              |              |
|--------------|--------------|
| SA SR3000 S  | 30 x 30 cm.  |
| SA SR3000 M  | 40 x 60 cm.  |
| SA SR3000 L  | 60 x 150 cm. |
| SA SR3000 XL | 80 x 120 cm. |
- SA SR 3000 antenna's designed for permanent outdoor installation. Install protected from direct rain ingress and sunlight

● **Interface and synchronization**

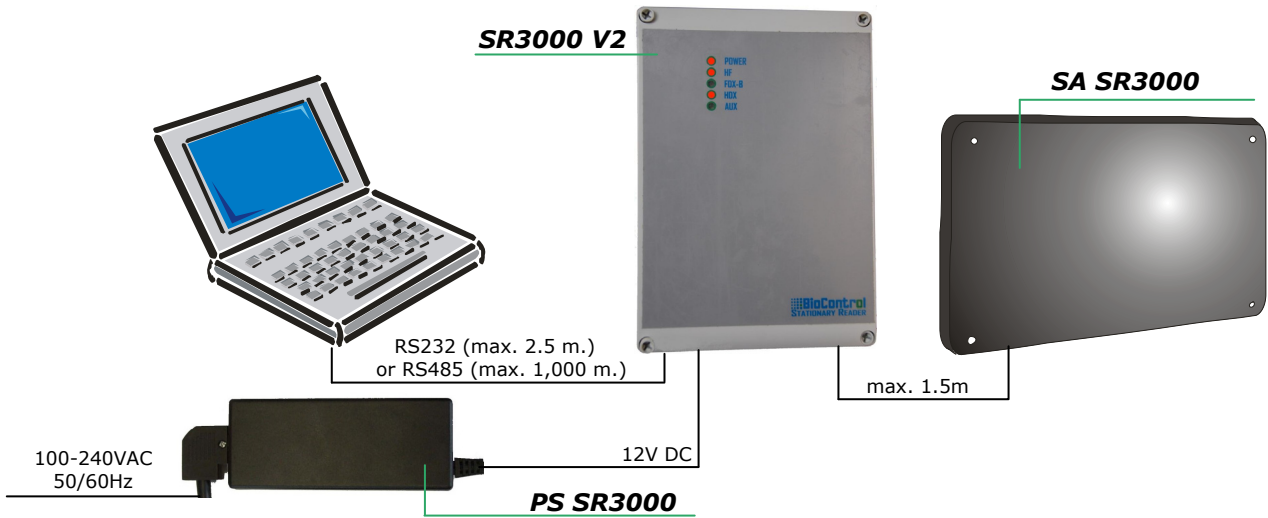
- RS232 and RS485 (16 addresses)
- RS485 Master/Slave synchronization (galvanic isolation)
- 2 inputs (1k pull-up resistor)
- 2 outputs (12V, 1.0A per output)
- SR 3000 V2 fit for 12V car battery Power Supply

● **Power Supply and dimensions**

- |                 |                       |
|-----------------|-----------------------|
| Power Supply    | 12V*, < 3Amp **       |
| Dimensions      | 25.0 x 17.5 x 7.5 cm. |
| Enclosure       | IP 65                 |
| Operating temp. | -20°C ... +55°C       |
- \* Use PS SR3000 for verifiable RFID performance!  
\*\* When 2 outputs switched-off



### Single Reader configuration



### Multiple Reader configuration



### I/O configuration

