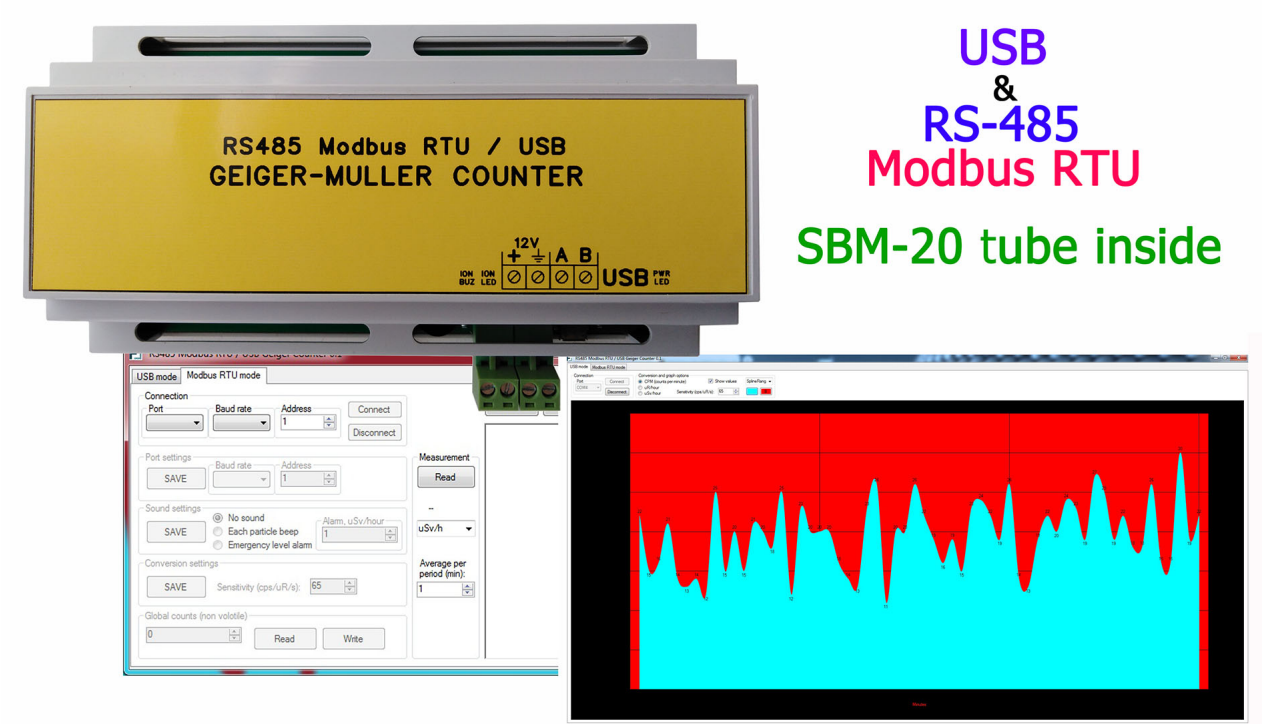
Geiger Counter USB / RS485 Modbus RTU (DIN Rail, SBM-20)



Rating: Not Rated Yet
Price:
Sales price: 1870,00 ???

Ask a question about this product

Description

Geiger counter based on SBM-20 tube. Works in few modes:

1. USB Mode. In USB mode the device is to be connected to PC with micro USB cable. The power supply is 5V from USB in this mode (no additional power supply needed). The device will be detected in your operation system as virtual COM port (x86 and x64 drivers available). After the connection the counter sends a byte (an ASCII symbol "") to opened port each time when ionizating particle is detected by the tube. You can use our testing software to visualize counting. You can also easily customize visualization with your own software (you just need to count ASCII symbols coming via serial port per period of time).
2. RS485 Modbus RTU Mode. Modbus RTU commands (writing/reading registers) are used to: set baud rate and device Modbus address, turn on/off counting sound and alarm, set conversion setting (calibration), read global counter (quantity of all counted particles from non-volatile memory), read quantity of particles counted during a previous period of time (from 1 min to 255 min). In this mode the recommended power supply is 12V.
3. Standalone/portable mode. The device contains an indicator LED and a buzzer. The LED indicates each counted particle. The buzzer can be set (use standard software) to indicate each particle with a "beep" as well as the device powered from any powerbank can be used as a classical Geiger counter indicating radiation level with blinks and beeps. Additional function of Alarm sound can be set with standard software. This function allows you to set particular level of counted per minute particles, when the buzzer has to generate permanent beep in order to warn about unusual radiation level. In that case only power supply (only 12V or 5V microUSB) is needed to provide its work.

Size: standard DIN rail 157 mm-wide enclosure (157x110)(including connectors)(x66 mm).

Indication: 1 power on LED, 1 "ionization" LED, 1 "ionization" buzzer.

Interfaces: USB, RS485.

Power supply: 12V +12 tmrs than0.2A or 5V +10 less than0.5A.

Power consumption: ~1.3W

Memory: non-volatile memory chip for settings and global counter.

Connection: screw connectors.

Modbus address: (can be changed by Modbus command) 0 - 255 (default address: 0x01).

Baudrate: (can be changed by Modbus command) 2400, 4800, 9600, 19200, 28800, 38400, 56000, 57600, 115200, 128000, 256000 (default is 9600).

Port settings: 8n1

Manual and testing software: links to download will be sent along with the module.

Reviews

There are yet no reviews for this product.