RoeTest – Computer Tube Tester / Tube Measuring System
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english translation by Gerhard Oed (thank you very much to him)

Information about the serial interface (RS232) via USB:

There is a USB to RS232 converter type FTDI FT232RL built into the RoeTest.

Detection of the interface on the PC:

When the RoeTest is connected to a USB connector at the PC and switched on
(there is a relay inside the RoeTest that must be switched on to supply the USB
Interface via the PC, so at least the relay supply in the RoeTest must be
present to operate the USB interface) the USB device will be detected by the PC.
The PC reports a new device found. When installing for the first time you are
asked for a driver for the new device (see separate info). After installation of the
driver a serial interface is added to the list of devices (device manager). If the
RoeTest is disconnected or powered off, the serial interface will no longer show up
in the device list. The detection of the serial interface is a reliable indication that
the connection between PC and USB chip and the power supply of the USB chip
are operating properly.

Automatic detection of the RoeTest (Software version 5.5.0.0 and later):

Beginning with software version 5.5.0.0 selecting the proper interface is no longer
needed. When starting the measuring program all present serial interfaces
(including the USB to serial converter) are probed if a RoeTest is connected to
(Note: the RoeTest has to be switched on before starting the program) and
if so, the specific interface will be selected automatically for communication.
It is no longer possible to connect multiple RoeTests to a single PC. If there
were multiple RoeTests connected only that one with the lowest interface number
would be found.

The detection of the RoeTest is a reliable indication that the connection from
the USB chip via the opto couplers to the microprocessor is working properly.

To test the reverse direction of communication (sending data from the PC to
the RoeTest) you can send a command (for example switch a relay).

Options-Interfaces (Measuring program):

It is no longer possible to select an interface within the options menu. Only the number of serial interfaces and the one selected for communication with the RoeTest is shown.

Starting with software version 5.5.0.0 the formerly possible MIDI interface is no longer supported.