Infra communication by IrDA/USB cable

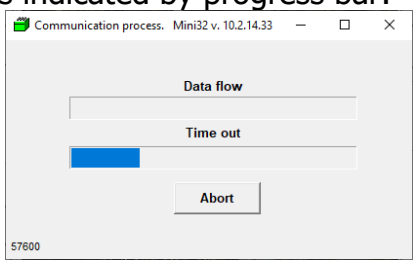
For the communication is necessary:

- Actual version of Mini32 software (download at http://www.emsbrno.cz/p.axd/en/Software.html or Mini32>Related EMS software>Mini32 update)
- IrDA/USB communication cable
- Installed driver for communication cable (Mini32>Related EMS software>USB Drivers)

Communication process:

- run Mini32
- check that the correct COM port is selected (IrDA)

- bring the cable head close to the datalogger at the point designated for that purpose
- magnet inside the IrDA/USB cable head activates the communication and light up red indicator light under the datalogger lid. Check the red light.
- now is possible to communicate (On-line, download, configurate) with the device
- communication process is indicated by progress bar:



Background explanation:

The datalogger is activated by magnet inside the IrDA/USB cable head and is waiting for communication attempt from PC (command for *Download*, *Configuration* or *On-line*) for ca 20 seconds. If the datalogger does not receive any command during this time, the communication is deactivated and must be then reactivated by moving this cable head 60 cm away for few seconds and bringing it back.

Note: Indicator light indicates also the measurement and data storing of the device, thus the accessibility of the sensor to communication is relevant only as a response to the magnet inside the head of the IrDA/USB cable.

Troubleshooting:

The indicator light is not responding to the magnet

Possible Cause:

- Battery is dead – device does not have enough power for communication, replace the battery.
- Device is damaged – send to manufacturer for repair.

The indicator light is lighting, but communication does not work

Possible Cause:

- Trouble with the communication port – the driver is not installed or the actually connected cable is not installed to the chosen port – install driver and check the chosen port in Mini32 main screen
- Device is busy (measuring or storing) or in an indeterminate state (long delay between attaching the IrDA/USB cable and the attempt from the computer) – move cable head 60 cm away until the light go out and than bring it back.
- Battery is almost dead or dead – communication can be activated, but the device does not have enough power for other tasks, replace the battery.
- Device is damaged – we recommend checking the device at the manufacturer.
- IrDA/USB communication cable is damaged – check up-to-dateness of Mini32 software, drivers, selection of COM port in Mini32. If possible, check the cable functionality on other infrared communicating device.

Note:

Two data files are created during the download: the HEX and the DCV. HEX files are shorter, contain all hardware information and are suitable for archiving. The DCV file is the file that Mini32 uses for all operations. If the user wants to export the data to another format, the "Export" button opens the appropriate menu.

Brno, Feb. 10, 2022