10   Serial communication

Serial commands can be sent to the instrument, to read the instrument information and the measurements.

To send serial commands to the instrument, the **USB mode** menu item must be set to **COM interface**.

In the serial communication software used [1], the PC COM port number to which the instrument is connected has to be set.

Recommended communication parameters:

- Baud rate = 115200
- Data bits = 8
- Stop bits = 1
- Parity = None

The full list of commands supported by the model, with their description, is obtained by sending the following command:

GetCommandList: 0<CR><LF>

<CR> = Carriage Return
<LF> = Line Feed

Between the characters ":" and "0" of the command there is a space.

All command strings sent to the instrument must be terminated by the <CR><LF> control characters.

Serial communication in protected mode:

If the protected mode is active [▶ p.17], the following command must be sent to activate serial communication:

setPINCode: nnnn

where nnnn is the PIN.

The default PIN is **0000**. The PIN must always be written with 4 digits (e.g., 0023 for 23).

After the PIN is sent, the serial communication is locked again if the instrument does not receive serial commands for 2 minutes.

🛈 **Attention!**
In the package of the instrument there is a sheet with a Master PIN, different for each instrument, which allows access to the protected features in case the user forgets the PIN after changing it.
If you lose your Master PIN sheet, you can request a copy by indicating the serial number of your device.

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[1] *Any standard serial communication software, e.g., "HTerm", can be used.*