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Metrohm IC Driver 1.0, ICP-MS MassHunter

Installation instructions

1 Minimum system requirements

Application software MassHunter software, version 5.3 or higher

Antivirus software During the installation, all device drivers that are required for controlling the supported USB devices are installed.

Anti-virus programs can prevent the unpacking of the device drivers. If an error occurs, exclude the installation pathway for Metrohm IC Driver, ICP-MS Mass-Hunter from the virus scan.

Refer to the MassHunter Installation Guide for further information regarding antivirus softwares.

Operating system Refer to the MassHunter Installation Guide for information regarding the operating system.

Instruments supported The Metrohm IC Driver 1.0, ICP-MS MassHunter supports the following instruments:

- **800 Dosino**
  version: 2.800.0010
- **858 Professional Sample Processor**
  version: 2.858.0010, 2.858.0020
  with Liquid Handling Station (6.5330.130)
  with Magnetic Stirrer (2.741.0010)
- **889 IC Sample Center**
  version: 2.889.0010, 2.889.0020, 2.889.0030, 2.889.0040
- **930 Compact IC Flex**
  version: 2.930.1100, 2.930.1160, 2.930.1200, 2.930.1260, 2.930.1300, 2.930.1360, 2.930.1400, 2.930.1460, 2.930.1500, 2.930.1560, 2.930.2100, 2.930.2160, 2.930.2180, 2.930.2200, 2.930.2260, 2.930.2300, 2.930.2360, 2.930.2400, 2.930.2460, 2.930.2500, 2.930.2560, 2.930.2580
- **940 Professional IC Vario**
  version: 2.940.1100, 2.940.1110, 2.940.1200, 2.940.1300, 2.940.1400, 2.940.1410, 2.940.1440, 2.940.1500, 2.940.1510, 2.940.1540, 2.940.1580, 2.940.2100, 2.940.2400, 2.940.2500, 2.940.2580
- **919 IC Autosampler plus**
  version: 2.919.0020
- **942 Extension Module Vario**
  version: 2.942.0040, 2.942.1060, 2.942.0500

- **Remote Box MSB**
  version: 6.2148.010
  The Remote Box MSB is mandatory. Additionally, the IC Equipment for remote connection to Agilent ICP-MS (6.05330.400) is required to enable remote connection between a Metrohm IC and an Agilent ICP-MS.

Limitations

An instrument may maximally include the following modules.

- 1 IC instrument (930 Compact IC Flex or 940 Professional IC Vario)
- 1 autosampler (889 IC Sample Center or 858 Professional Sample Processor or 919 IC Autosampler plus)
- 1 Remote Box MSB: The Remote Box is mandatory in instruments with an Agilent ICP-MS. Together with the IC Equipment for remote connection to Agilent ICP-MS, the Remote Box enables remote control between the IC instrument and the Agilent ICP-MS. The Remote Box must be connected to MSB 1 of the IC instrument.
- 1 800 Dosino per IC instrument, 3 800 Dosinos per 858 Professional Sample Processor or 919 IC Autosampler plus
- 3 942 Extension Modules Vario per 940 Professional IC Vario

Additionally, the IC Equipment for remote connection to Agilent ICP-MS (6.05330.400) is mandatory in instruments with an Agilent ICP-MS. Together with the Remote Box MSB, the IC Equipment for remote connection to Agilent ICP-MS enables remote control between the IC instrument and the Agilent ICP-MS.

Firmware require-
ments

- 930/940/942 instruments: version 5.940.0101 or higher
- 858 instruments: version 5.858.0010 or higher
- 889 instruments: version 0840.100-1.31 or higher
- 919 instruments: 5.858.0012 or higher

ℹ	**NOTE**

Firmware updates must be executed by a service technician.

Agilent ICP-MS instru-
ments

Metrohm IC Driver, ICP-MS MassHunter can be used in combination with the following Agilent ICP-MS instruments:

- Agilent 7700 ICP-MS
- Agilent 7800 ICP-MS
- Agilent 7850 ICP-MS
- Agilent 7900 ICP-MS
- Agilent 8800 ICP-QQQ
- Agilent 8900 ICP-QQQ

2 Preconditions

MassHunter

MassHunter must be installed. Refer to the MassHunter Installation Guide for information regarding the installation of MassHunter.

Administrator rights	The user must have administrator rights to be able to install the software.
Energy settings	Data loss may occur if the PC switches to sleep mode during a determination. Therefore, **disable** the **sleep mode** in the energy settings of the operating system and for USB.

3 Installing the Metrohm IC Driver 1.0, ICP-MS MassHunter

Installation

During the installation procedure, you need to enter the license number. You find the license number in the file **serial.txt** on the USB flash drive with the installation file. The license number has the following format:

MH10-xxxx-xxxx-xxxx-xxxx-xxxx.

> **NOTE**
>
> One license for the Metrohm IC Driver 1.0, ICP-MS MassHunter per computer is required.

Preconditions:

- Agilent ICP-MS instruments to be used together with Metrohm IC instruments are connected and in the status **Online**.
- ICP-MS for MassHunter software is closed.
- All Metrohm instruments are switched off. Do not switch on the instruments during the installation process.

1 The installation process starts automatically when you connect the USB flash drive to the PC. If this option is disabled on your computer, double-click on the file **setup.exe**.

The installation wizard opens.

2 Follow the instructions of the installation wizard.

Metrohm IC Driver, ICP-MS MassHunter is installed on your PC.

The **Instrument Configuration** application, batch templates and required device drivers are installed with Metrohm IC Driver, ICP-MS Mass-Hunter as well.

3 If you are asked to restart your PC, shut down your PC and restart it again.

Start-up

For further information on the described steps, refer to *Tutorial for Metrohm IC Driver 1.0, ICP-MS MassHunter (8.0102.8020)*.

1 Install the Remote Box MSB and the IC Equipment for remote connection to Agilent ICP-MS to enable remote control between the IC instrument and the Agilent ICP-MS.

2 Switch on the Metrohm instruments.

3 Configure the instrument with the **Instrument Configuration** application.

4 Start ICP-MS Instrument Control.

The dialog **Application Key** opens.

5 Enter the following details:

- Application Key: MetrohmIC
- Application Label: MetrohmIC
- Device Type: Other

Click on **[Register]**.

ICP-MS Instrument Control starts.