

Connecting an ICP spectrometer to its serial port



Overview

From DeviceManager, select "View devices by type", then "Ports (COM & LPT)". Choose the required COM port number from the list and click OK. Select the "Port Settings". Figure 1 shows a high-level overview of how the serial ports are connected for RS-232 and the direction of data transmission for them. The table below provides some specifications regarding the RS-232 implementation on Ocean spectrometers. During that the IP of the computer was fixed to be. 6000 Series ICP-OES Spectrometer Hardware Manual © 2005 Thermo Electron Corporation Registration No. 441506 SOLAAR House, 19 Mercers Row, Cambridge CB5 8BZ, United Kingdom. Telephone +44 (0) 1223 347400, Fax +44 (0) 1223 347402, It will minimise installation time if the services and facilities detailed here are available before the equipment. Agilent provides this customary commercial license in Software and technical data pursuant to FAR 12. 212 (Computer Software) and, for the Department of Defense, DFARS 252. 7202-3 (Rights in Commercial Computer).



Article Content

ICP-OES & ICP-AES Spectrometers | SPECTRO Analytical

ICP-OES spectrometers, also known as ICP-AES or ICP plasma spectrometers, have become an indispensable tool for chemical elemental analysis. Find out more.

Connect the ICP-OES to the Software

The ICP-OES must be on and connected to the PC via the supplied Ethernet cable. If you already know the ICP-OES IP address, skip to Configure the ICP OES Network Adapter on the PC.

PlasmaQuant 9100 (Elite) High-Resolution Array ICP-OES

} Connect the switching valve to the dilution system ("ICP/ASXpress" connection) via hose connection 2 ("Autosampler") on the 6-port valve. } Connect the switching valve with the sample hose of the

How to Set Communication with ICP-MS in MassHunter

After shutting down and restarting the ICP-MS, sometimes the communication between ICP-MS and PC does not automatically reconnect. It may be necessary to Set Communication in MassHunter manually.

What is ICP-MS? Principles & Technique | Agilent

Although the term "ICP spectroscopy" is sometimes used broadly, ICP-MS specifically refers to mass spectrometry detection rather than optical emission, as in Inductively Coupled Plasma Optical

User's Guide

This cover allows the connection of a purge gas and/or connection to an extraction system to provide protection from contamination and remove any corrosive fumes from the operating environment.

Agilent 1100 Series LC Devices Getting Connected Guide (Revision J)

Agilent 1100 Series LC systems with JetDirect network cards must have revision 2 main boards to function properly with LAN communications. Table 4 lists the required main board and its starting

Agilent 5800 & 5900 ICP-OES User's Guide

Get the Agilent 5800 and 5900 ICP-OES User's Guide with AI-powered help! Learn about instrument setup, operation, and maintenance. Access the PDF guide & get instant answers.

Connect to a Spectrometer

OMNIC Paradigm supports connecting devices to spectrometers via USB, network, or direct Ethernet. Connections require proper database settings,

Agilent Atomic Spectroscopy

Maintaining parts in the ICP-MS vacuum chamber Before opening the vacuum chamber to clean the ORS cell or for other purposes, always switch OFF the power to the ICP-MS. Otherwise, you could

GCR Agilent ICP-OES 5110 User Guide

The user guide is to be used in conjunction with the Agilent 5100 and 5110 ICP-OES User's Guide and the ICP Expert Help, both of which provide clear, detailed walkthroughs of instrument setup,

5800/5900 ICP-OES User's Guide

Air flow to the air intake port of the spectrometer and accessories must be unobstructed. Do not block the ventilation grills on the spectrometer and accessories.

iCAP iTEVA Computer does not have a serial port

Two RS-232 serial I/O ports (COM1 and COM2) The serial ports are located on the left side at the back of the Auto Sampler. The COM1 port is the communications interface between the

7900 ICP-MS connection problem

Hi, since recently I have connection problems between the ICP-MS 7900 and the mass hunter software. The first time a batch process got stuck on one sample. After rebooting the computer, the connection

iCAP 6000 ICP-OES Reference Guide

This document provides information on installing and operating an iCAP 6000 Series ICP-OES spectrometer, including an introduction to the instrument, required site

How to Set up Communication Between Agilent 5000 Series ICP-OES ...

How to connect Agilent 5000 series ICP-OES instruments to Agilent ICP-Expert software using the standard configuration of a static IP address The Agilent 5000 series ICP-OES uses a LAN

Serial Communications Protocol Tech Note

OVERVIEW OF RS-232 1.1 DEFAULT DEVICE CONFIGURATION Figure 1 shows a high-level overview of how the serial ports are connected for RS-232 and the direction of data transmission for

Configuring a Windows 10 Pro PC for Agilent Instruments

This information applies to: Agilent GC, GC/MS, LC, LC/MS, ICP, ICP-MS systems. Issue
The network card in the PC must be configured with the correct IP address to allow the Agilent

Connect the data system and the mass spectrometer

The Ethernet port of the mass spectrometer is located at the rear side of the instrument. Connect the Ethernet cables from the Ethernet switch to the data system computer's LC/MS Ethernet network

Serial Communications Protocol Tech Note

Figure 1 shows a high-level overview of how the serial ports are connected for RS-232 and the direction of data transmission for them. The table below provides some specifications regarding the RS-232

Serial Communication Protocol on Ocean Spectrometers

Below is a drawing for the Ocean Optics RS-232 cable accessory with details on the pinouts and how they connect to the previously mentioned connectors/ports. This visual should help in the case a

Connecting a Spectrometer to a Microscope

Seamlessly connect a spectrometer to a microscope for micro-spectroscopy studies, enabling detailed spectral analysis of a range of microscopic samples.

Agilent 7500 Series ICP-MS Hardware Manual

The ASX-500 series Autosampler is controlled by MassHunter Workstation (or ChemStation) through the RS232C serial port. For details, please refer to the Agilent 7500 Series ICP- MS MassHunter

A Comprehensive Guide to Method Development using Triple Quadrupole ICP

Introduction Inductively Coupled Plasma Mass Spectrometry (ICP-MS) is recognized as a key technique for the analysis of trace elements in a wide variety of sample types. This is due to its outstanding

iCAP 6000 Series

This manual is designed to help ensure that your iCAP 6000 Series ICP-OES Spectrometer will be installed efficiently and will be able to meet your requirements quickly and completely.

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Air flow to the air intake port of the spectrometer and accessories must be unobstructed. Do not block the ventilation grills on the spectrometer and accessories. Consult the manuals supplied with your

iCAP 7000 Spectrometer Installation Guide | PDF | Ac

The document outlines the hardware installation procedure for the iCAP 7000 Series ICP-OES Spectrometer, detailing pre-installation requirements, connection of

THERMO ICAP 6000 SERIES HARDWARE MANUAL

View and Download Thermo ICAP 6000 Series hardware manual online. ICP-OES Spectrometer. iCAP 6000 Series laboratory equipment pdf manual download.

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