

SOFTWARE

CHROMATEC ANALYTIC

BUILD 3.1

INSTALLATION MANUAL

214.00045-51

SOFTWARE FOR WINDOWS

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1 INTRODUCTION

"Chromatec Analytic" Software 214.00045-51 is designed to control the operation and diagnosis of chromatographs and complexes created on their basis:

- "Crystal 2000"
- "Crystal 2000M"
- "Chromatec-Gasochrom 2000"
- "Chromatec-Crystal 5000"
- "Chromatec-Crystal 7000" industrial
- "Chromatec-Crystal 9000"
- "Chromatec-Crystal HPLC 2014"
- Data collecting unit
- Gas flow maker.

Chromatographs SDO "Chromatec" different models and years of manufacture are running the following processor modules:

Processor module	**Instrument model**
PM3	Chromatec-Crystal 5000 gas chromatograph, S/N 253101 and higher
	Chromatec-Crystal 9000 gas chromatograph, S/N 291301 and higher
	Chromatec Crystal HPLC 2014 liquid chromatograph
	Mass spectrometer detector
PM2	Chromatec Crystal 5000 gas chromatograph, S/N below 253101
	Chromatec Crystal 7000 gas chromatograph (Industrial)
	Chromatec Crystal 9000 gas chromatograph, S/N below 291301
	Chromatec Gasochrome 2000 gas chromatograph (portable)
	Crystal 2000M gas chromatograph, S/N 4400 and higher
	Data collecting unit
	Gas flow maker
PM1	Crystal 2000M gas chromatograph, S/N below 4400

The software provides collection and processing of chromatographic data, as well as verification of the chromatograph.

2 COMPUTER REQUIREMENTS

The software runs on computers based on Windows operation system and various versions.

Minimum computer requirements are given below.

As there are plenty of processor models with different characteristics, it is assumed that software may be operated using a processor with least performance out of those that were made in a given year.

For more comfortable operation it is recommended to use a computer with the following (or higher) characteristics:

Category	**Value**
Windows version	7, 8, 10
RAM, Mb, min.	4096
Intel or AMD processor, production year no later than	2012
Display resolution, min.	1024 × 768
Hard disk for software location, Gb, min.	10
Hard disk for data store, Gb, min.	100

To run "Chromatec Analytic" 3, Microsoft .NET Framework 4.0. freeware should be installed in the system. This software is included in "Chromatec Analytic" 3.0 standard delivery package.

System requirements of specialized applications meet requirements of "Chromatec Analytic" 3.0.

In addition to the above, you will need CD drive, mouse-type manipulator, printer to print reports and free ports on the computer (LAN, USB or COM) to connect chromatographic equipment.

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Software products delivered only as "product" without any warranty obligations except the following case and with accordance to local laws:

- Warranty of lack of any damages and defects of the physical media of Information. In case of any damages or defects the supplier should replace the products by other one free of charge, except the postal delivery costs.
- Errors, misbehavior or impropriety of the Software during working on your tasks can't be a reason for financial claims against Chromatec JSC SDO, except 100 % compensation of the cost of the Software in case if the user will send back all software package within one month after purchasing and if the supplier is Chromatec JSC SDO directly.
- Chromatec JSC SDO shall not be liable for user loses, related to Software uses
- The Maximum value of financial claims to Chromatec JSC SDO, cannot be higher than the cost of the Software.

4 IDENTIFICATION

Metrologically significant part of the software includes files:

Module	Version	Hash Code
Analytic3Core.dll	3.0.0.2	183cfadacae1872240739164795ebcb4
AnlCheckup.dll	2.6.0.9	b55a8ef086260598cb47893e25a34799
AnlProcess.dll	2.6.0.12	a835256ef0906df0e8ab691fe4ac42da

The software identification procedure is described in the user manual.

Before using the software, you should carefully read the user manual 214.00045-51I and the operational documentation for the chromatograph.

5 INSTALLATION PACKAGE

The software consists of fixed and variable parts.

Fixed part:

- "Control Panel" software, which controls the chromatograph.
- "Chromatec Analytic" software, involved in the processing of chromatographic information.
- "Chromatec Navigator" software, which performs the functions of the operator's desktop, help system, audit and software administration.

The variable part can include applications:

Aplication	**Destination**
"Chromatec Energetic"	Software used for calculation in Transformer Oil Gas Analysis (TOGA), to monitoring oil conditions based on dissolved gases composition.
"Chromatec Distillation"	Software used for calculation of fractionation, component & fractional compositions, group compositions, concentration of n-paraffin, density and non-volatile fraction of petroleum and petroleum products based on gas chromatography analysis.

The composition of the variable part is determined by the order of the consumer and is specified in the passport for the software.

The composition of the "Chromatec Analytic" assembly 3.1.2103.x and above includes the expansion of "Special Calculations". It is intended for calculations on various regulatory documents. This extension is always available, but most of the calculations in its composition requires additional activation.

The software is delivered on an electronic medium (USB drive or DVD).

6 SETUP

Connect a USB drive with "Chromatec Analytic" software to your computer (if the software is supplied on a DVD, insert the distribution disc into the appropriate drive on your computer).

In Windows Explorer select the USB drive (DVD drive) and run the **setup.exe**.

1. Select the language to use during the installation. Press **OK**.
2. Press **Next**.
3. Accept the agreement.
4. Press **Next**.
5. If "Chromatec Analytic 3" has not been previously installed on this computer, you are prompted to specify the location of the data folder.

By default, a data store will be created on the second hard drive in the computer. For example, if your computer has only one logical drive (C), the data store will be created on it. If two or more disks, data store will be created on drive D.

Attention! HP laptop drive (D) is used for system recovery. It has a small volume. Do not create data store on the disk.

If you missed this stage, later you can move the data store.

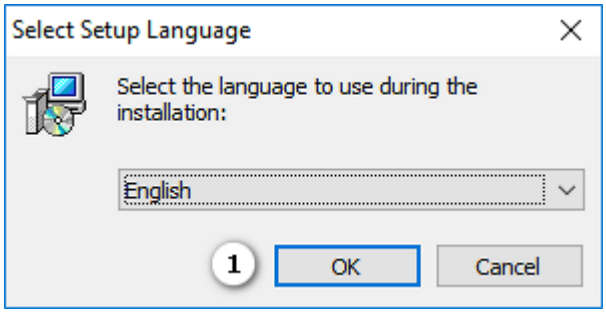
6. Press **Next**.
7. Select components to install

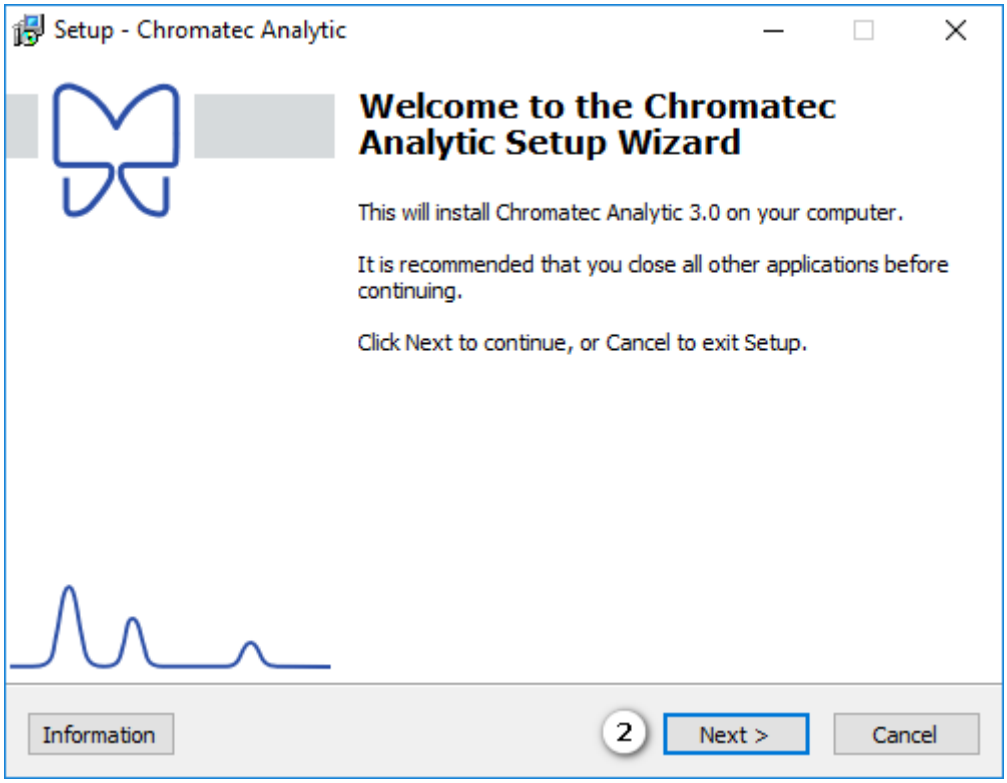
Checked and blocked components are install always. This is a main programs.

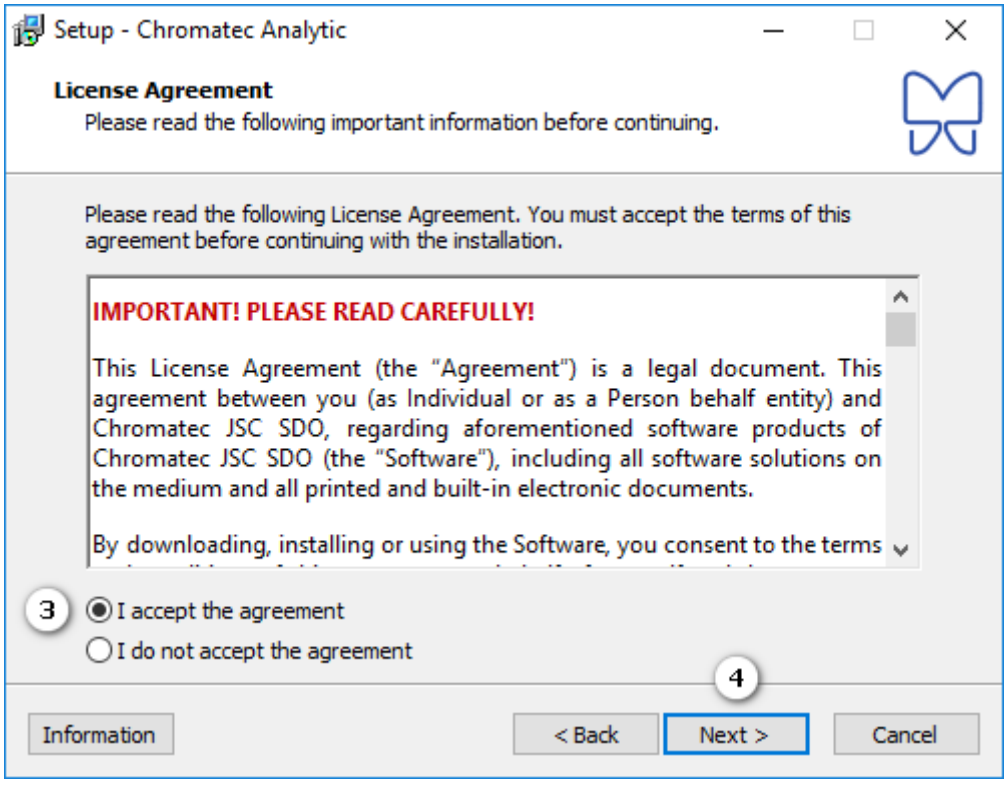
Description of the other components included in the software is given in the table below. As you can see this description if you click on the **Information** button.

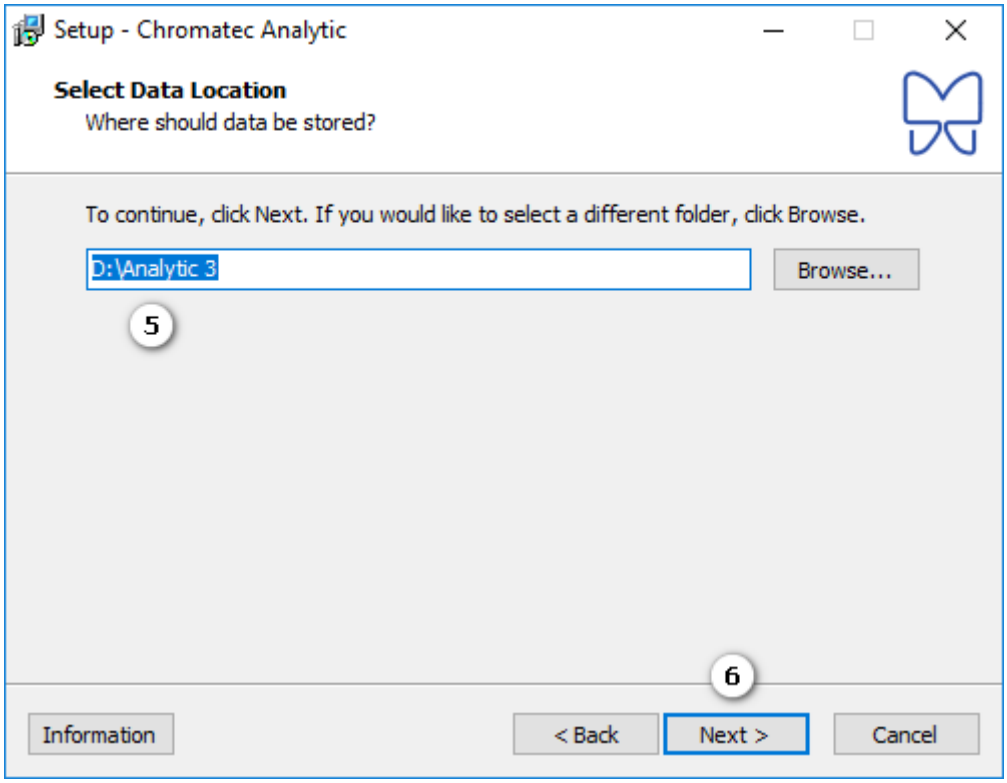
8. Press **Next** on the current and the next page.

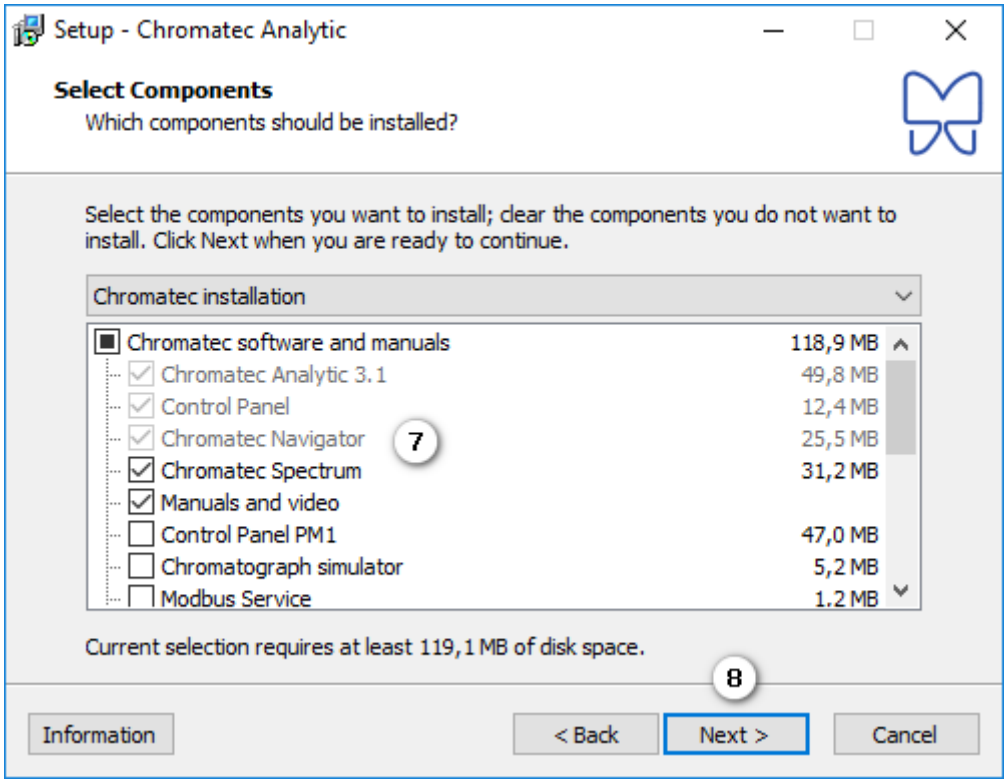
Wait for the installation.




Setup - Chromatec Analytic
Welcome to the Chromatec Analytic Setup Wizard
This will install Chromatec Analytic 3.0 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Information
2
Next >
Cancel


Setup - Chromatec Analytic
License Agreement
Please read the following important information before continuing.
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
IMPORTANT! PLEASE READ CAREFULLY!
This License Agreement (the "Agreement") is a legal document. This agreement between you (as Individual or as a Person behalf entity) and Chromatec JSC SDO, regarding aforementioned software products of Chromatec JSC SDO (the "Software"), including all software solutions on the medium and all printed and built-in electronic documents.
By downloading, installing or using the Software, you consent to the terms
3
I accept the agreement
I do not accept the agreement
4
Information
< Back
Next >
Cancel


Setup - Chromatec Analytic
Select Data Location
Where should data be stored?
To continue, click Next. If you would like to select a different folder, click Browse.
D:\Analytic 3
Browse...
5
6
Information
< Back
Next >
Cancel


Setup - Chromatec Analytic
Select Components
Which components should be installed?
Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue.
Chromatec installation
Chromatec software and manuals 118,9 MB
Chromatec Analytic 3.1 49,8 MB
Control Panel 12,4 MB
Chromatec Navigator 25,5 MB
Chromatec Spectrum 31,2 MB
Manuals and video
Control Panel PM1 47,0 MB
Chromatograph simulator 5,2 MB
Modbus Service 1.2 MB
7
Current selection requires at least 119,1 MB of disk space.
8
Information
< Back
Next >
Cancel

7 MANUFACTURER INFORMATION

Manufacturer: SDO "Chromatec":

Russian Federation, 424000, Yoshkar-Ola, 94 Stroiteley str.

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Commercial department	+7 (8362) 68-59-69, 68-59-70
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