

## 865 dosimat plus manual



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## Book Descriptions:

# 865 dosimat plus manual

Including pushbutton cable for manual dispensing control and 6.3026.220 exchange unit 20 mL. A multitude of instruments can be connected at the USB interface of the Dosimat plus, even a number of them simultaneously when a USB hub is used keyboard, mouse, USB compact printer or USB DIN A4 printer, USB Memory Stick for methods and data backup. A result can be calculated and a result report can be printed automatically from the dosed volume. Timecontrolled dosing The volume and the time are specified. Dosing according to dosing rate The dosing rate and the time are specified. If continuous dosing without interruption is required, then the 865 Dosimat plus can be operated together with an 805 Dosimat in tandem mode. The volume of the solvent to be dosed is determined automatically on the basis of the sample size of the starting substance solid or stock solution and the specified target concentration. The 804 Ti Stand together with the optional 802 Rod Stirrer provides an alternative to the magnetic stirrer. Ti Stand with base plate, support rod and electrode holder. Suitable for 848 Titrino plus, 862 Compact Titrosampler, 863 Compact Autosampler, 865 Dosimat plus, 869 Compact Sample Changer, 870 KF Titrino plus, 876 Dosimat plus, 877 Titrino plus, 899 Coulometer. Easy installation and operation The installation of a Dosimat plus is very easy. So is connecting the Exchange Unit and the optional stirrer or an USB compact printer, which are recognized and configured automatically. Dosimats can be operated either by mouse click or keyboard. USB interface A wide variety of instruments can be connected. DOS Dosing Pushbutton dosing particularly suitable for carrying out manual titrations with a color indicator. From the added volume the results can be calculated automatically and the report printed out. Different calculation parameters can be defined beforehand. <http://everestart.com/images/stories/cambridge-audio-cd4-service-manual.xml>

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XDOS Extended Dosing Adding a fixed volume enter volume and dosing rate If continuous dispensing without interruption is required then the 865 Dosimat plus and the 876 Dosimat plus can be operated in tandem mode together with an 805. MicroBundle 4 Pages Prices are indicative only and may vary by country, with changes to the cost of raw materials and exchange rates. Also contains a 6.3026.220 exchange unit 20 ml and a USB connection for data printers, memory stick and computer link. They exclude delivery charges and customs duties and do not include additional charges for installation or activation options. Prices are indicative only and may vary by country, with changes to the cost of raw materials and exchange rates. Get Started Login here Used as an independent system, the Dosimat plus is a manually controlled dosing instrument. If you are already using a Titrino or Titrino plus titrator in your lab, you can use the Dosimat plus as an automated dosing device for your titrator. For improved user comfort, you can connect a keyboard, a computer mouse, or a printer via USB. Dosimat plus instruments feature four dosing modes for the different applications. This mode is particularly suitable for manual titrations with a color indicator. In this way, you are able to dose a fixed volume at a specific rate, to perform timecontrolled dosing, or to dose at a constant rate. Using the amount of the starting substance and the desired concentration, the instrument can automatically determine the volume that needs to be added. Be the first to review! Change File Login here. Either from this list or from a product page you may request documentation or a free quote of the seller. Basic measuring value is transmittance. Its size sacrifices nothing to efficiency. Cordialement. In addition to the two Dosimat plus models, Metrohm has also

introduced the 876 Manual Titrator plus. All three versions differ in their fu. Read more. <http://www.nameadvance.com/userfiles/cambridge-audio-cd6-manual.xml>

Quick Links Request Product Information Contact Supplier They prove highly useful for various dosing and liquid handling tasks in laboratories all over the world. All three versions differ in their functions and therefore in their fields of application. Easy It's quick and simple to do Fast Your inquiry will be delivered straight to the manufacturer Free You're under no obligation Secure We only pass your details on to trusted suppliers at your request Save time Submit your details once and make multiple inquiries. Including pushbutton cable for manual dispensing control and 6.3026.220 exchange unit 20 mL. During the initial wave of the COVID19 contagion, many A team at Hospital Clinic Barcelona IDIBAPS has Genes that play an important role in allowing SARS-CoV2 to invade heart. According to the International Agency for Research on Cancer, in 2018. We hope this finds you, your family, your staff, patients Please select channel It is clear that the COVID19 crisis has been a boost Affidea, the leading European provider Access the future of healthcare While healthcare organizations across. According to the International Agency for Research on Cancer, in 2018. International experts treating COVID19 patients have concluded that. Questions to Wolfgang Heimsch, President Customer Service at Siemens Healthineer The 175th president of the American Medical Association AMA. As of May 4, Oliver Reichardt is Dr. Sebastian Krolop, M.D., Ph.D., M. Sc. has recently been appointed the. The American Society for Parenteral and Enteral Nutrition ASPEN has. The 2017 Ethica Award, the highest honour of the European cardiovascular. Gamma Medica, a leader in molecular breast imaging MBI technology, announced. Please select channel Please select channel. This document has been prepared with great care. However, errors can never be entirely ruled out. Please send comments regarding possible errors to the address above. Methods can be created and saved under a new name.

If a USB flash drive is connected as an external storage medium, the methods can be exported to a connected USB flash drive. This function allows you to copy methods quickly and easily from one device to another. The remote connector makes it possible to integrate the device into a Metrohm automation system. The following dosing modes are supported DOS Manual dosing. X-DOS Fixed volume dosing, with user-selectable dosing criteria. CONT-D Creating solutions. LQT Pipetting and diluting. The instrument is equipped with the following connectors MSB connector Metrohm Serial Bus For connecting a stirrer and an 805 Dosimat for tandem dosings. USB OTG connector The adapter can be used to connect, for example, a printer, a USB flash drive or a USB keyboard. The cable can be used to connect a printer directly. Remote connector For connecting the dosing handle, a Titrino plus or a sample changer. 865 Dosimat plus 1.2 1.2 Intended use 1.2 Intended use The 865 Dosimat plus has been designed for use in laboratories and production companies. Its main area of use is the precise dosing of liquids. This includes simple dosing according to specific criteria, creating solutions, pipetting liquid samples and manual titrations. This instrument is suitable for dosing chemicals and flammable solvents. Usage of the 865 Dosimat plus therefore requires the user to have basic knowledge and experience in handling toxic and caustic substances. Knowledge with respect to the application of the fire prevention measures prescribed for laboratories or production plants is also mandatory. 1.3 About the documentation CAUTION Please read through this documentation carefully before putting the instrument into operation.

<http://www.bosport.be/newsletter/3m-7800-respirator-user-manual>

The documentation contains information and warnings which the user must follow in order to ensure safe operation of the instrument Symbols and conventions The following symbols and formatting may appear in this documentation Crossreference to figure legend The first number refers to the figure number, the second to the instrument part in the figure. Instruction step Carry out these steps in the sequence shown. WARNING This symbol draws attention to a possible hazard due to heat or hot instrument parts. WARNING This symbol draws attention to a possible biological hazard.

CAUTION This symbol draws attention to possible damage to instruments or instrument parts.

NOTE This symbol highlights additional information and tips. 1.4 Safety instructions General notes

on safety WARNING Electrical safety This instrument may only be operated in accordance with the specifications in this documentation. This instrument has left the factory in a flawless state in terms of technical safety. To maintain this state and ensure nonhazardous operation of the instrument, the following instructions must be observed carefully. The electrical safety when working with the instrument is ensured as part of the international standard IEC

WARNING Only personnel qualified by Metrohm are authorized to carry out service work on electronic components. 865 Dosimat plus 3

14 1.4 Safety instructions WARNING Never open the housing of the instrument. The instrument could be damaged by this. There is also a risk of serious injury if live components are touched. There are no parts inside the housing which can be serviced or replaced by the user. Mains voltage

WARNING An incorrect mains voltage can damage the instrument. Only operate this instrument with a mains voltage specified for it see rear panel of the instrument. Protection against electrostatic

charges WARNING Electronic components are sensitive to electrostatic charges and can be destroyed by discharges.

[/images/br-45-admiralty-manual-of-navigation.pdf](#)

Do not fail to pull the mains cable out of the mains connection socket before you set up or disconnect electrical plug connections at the rear of the instrument Tubing and capillary connections CAUTION Leaks in tubing and capillary connections are a safety risk. Tighten all connections well by hand.

Avoid applying excessive force to tubing connections. Damaged tubing ends lead to leakage.

Appropriate tools can be used to loosen connections. Check the connections regularly for leakage. If the instrument is used mainly in unattended operation, then weekly inspections are mandatory

Dosimat plus 15 1 Introduction Flammable solvents and chemicals WARNING Recycling and disposal All relevant safety measures are to be observed when working with flammable solvents and

chemicals. Set up the instrument in a wellventilated location e.g. fume cupboard. Keep all sources of flame far from the workplace. Clean up spilled liquids and solids immediately. Follow the safety

instructions of the chemical manufacturer. The correct disposal of your old equipment will help to prevent negative effects on the environment and public health. More details about the disposal of

your old equipment can be obtained from your local authorities, from waste disposal companies or from your local dealer. 865 Dosimat plus 5 16 Dosimat plus 2 Overview of the instrument Dosimat

plus Figure 1 Front 865 Dosimat plus 1 Piston rod Of the dosing drive. 3 Coupling For switching the flat stopcock. 2 Contact pins For the data chip. 4 Display 5 Keypad Dosimat plus 17 2 Overview of

the instrument Figure 2 Rear 865 Dosimat plus 1 Type plate Contains specifications concerning mains voltage and serial number. 3 USB OTG connector For connecting printers, USB sticks, USB

hubs, etc. 2 Mains connection socket 4 MSB connector Metrohm Serial Bus. For connecting a stirrer or an 805 Dosimat. Mini DIN, 9pin. 5 Remote connector For connecting the Manual Dosing

Controller or instruments with a remote interface.

[/images/br-45-admiralty-manual-of-navigation.pdf](#)

Keep this packaging, as only this ensures safe transportation of the instrument Checks Immediately after receipt, check whether the shipment has arrived complete and without damage by comparing it

with the delivery note Location 3.2 Connecting a stirrer The instrument has been developed for operation indoors and may not be used in explosive environments. Place the instrument in a location of the laboratory which is suitable for operation, free of vibrations, protected from corrosive

atmosphere, and contamination by chemicals. The instrument should be protected against excessive temperature fluctuations and direct sunlight. You can connect the following stirrers 801 Stirrer 803

Ti Stand 804 Ti Stand requires rod stirrer Figure 4 Connecting a stirrer 865 Dosimat plus 9 20 3.3

Connecting the Manual Dosing Controller CAUTION Make sure that the flat side of the plug matches the marking on the socket. 3.3 Connecting the Manual Dosing Controller Figure Connecting a

balance Connecting the Manual Dosing Controller The Manual Dosing Controller is connected to the remote connector on the rear of the instrument. Balances are equipped with a serial RS232 interface as a rule. Additionally consult the user manual of the balance. 3.5 Connecting a keyboard, printer and other USB devices The 865 Dosimat plus has a USB OTG connector. Use the provided adapter USB MINI OTG USB A for connecting USB devices as e.g. printers, keyboards or USB sticks, see the following figure Figure 7 Connecting USB devices CAUTION Switch the instrument off before connecting or disconnecting a USB device or a USB stick. The 865 Dosimat plus can only recognize the device immediately after switching on. In addition, it provides two USB connectors. Connect additional USB devices to the keypad. 865 Dosimat plus 11 22 3.5 Connecting a keyboard, printer and other USB devices NOTE Most of the USB devices need a so-called hub in order to work correctly.

A USB hub is a distributor to which several USB devices can be connected. USB hubs are available in specialty stores in a number of different models. The USB OTG connector of the 865 Dosimat plus has no such hub. The numerical USB keypad has a USB hub and two USB connectors. The following devices can only be connected to a numerical keypad or to a USB hub Printer with USB connector, use the connecting cable Barcode reader with USB cable Mouse PC mouse with USB cable, for navigating in the dialog The following devices can only be connected to a USB hub PC keyboard with USB cable, for the comfortable input of letters and numbers Keypad with numerical keypad with USB cable If you wish to connect several different instruments without own power supply, then you must possibly use a USB hub with own power supply self powered. The USB OTG connector of the 865 Dosimat plus is not designed for supplying power to several devices with elevated electricity requirements. Figure 11 Connecting a remote cable A variety of different connecting cables are available for connecting Metrohm instruments e.g. sample changers see Optional Accessories chapter. 865 Dosimat plus 13 24 3.7 Connecting the 805 Dosimat 3.7 Connecting the 805 Dosimat For tandem operation XDOS mode, an 805 Dosimat can be connected to the MSB 1 socket on the rear of the 865 Dosimat plus. Figure 12 Connecting the 805 Dosimat CAUTION Make sure that the flat side of the plug matches the marking on the socket. If the MSB 1 connector is already occupied by a stirrer e.g. 801 Stirrer, then the 805 Dosimat can be connected to the MSB socket of the stirrer. Figure 13 MSB connector on the 801 Stirrer CAUTION Make sure that the flat side of the plug matches the marking on the socket. The 865 Dosimat plus must be switched off and then on again after connection Dosimat plus 25 3 Installation 3.

8 Attaching the exchange unit Figure 14 Attaching the exchange unit To attach the exchange unit, proceed as follows 1 Slide the exchange unit from the front onto the 865 Dosimat plus and push all the way to the rear. The instrument is initialized and a system test performed. This process takes some time. If a buret unit has been attached, then a request appears to carry out the PREP function All tubings and the cylinder are rinsed with the PREP Preparing function. The fact that the key needs to be pressed down for an extended time prevents accidental switch off. If the key is released during this time, then the instrument will not be switched off. 4.2 Fundamentals of operation The keypad FILL GO Figure 15 BACK OK FILL GO Keypad 865 Dosimat plus Apply the input and exit the dialog. Move the selection bar either up or down by one line at a time. Select the character to be entered in the text editor. Select the character to be entered in the text and number editor. Select the individual functions in the function bar. Confirm the selection. Stop an ongoing method run or a manual function. Switch the instrument on or off. Start a method run or a manual function. 865 Dosimat plus 17 28 4.2 Fundamentals of operation Structure of the dialog windows The current dialog title is displayed on the lefthand side of the title bar. The current status of the system is displayed in the upper righthand corner ready busy hold The instrument is in normal status. A method has been started. A method has been paused. Some dialogs have a so-called function bar on the bottom line. The editing dialog is exited without applying the modification. The content of the input field is deleted completely. The character left of the cursor is deleted backspace. The

modification is applied and the editing dialog is exited. A commercially available USB keyboard can be connected to make it easier to enter text and numbers.

The 865 Dosimat plus contains method templates which are already configured and which can be adjusted to individual requirements. The following method templates can be selected DOS XDOS CNT D LQT Manual interactive dosing with optional calculation of results. For manual titrations. Automatic dosing with freely selectable specifications. The following specifications are possible Volume and time Volume and dosing rate Dosing rate and time Automatic preparation of solutions with specified content. For standard solutions, sample solutions or dilutions. Liquid handling sample transfer. The method template is now loaded and is displayed in the main dialog under Method. If a new method has been created, then the individual parameters can be modified under Menu Parameters. If you modify method parameters, then you can save these as your own method. A maximum of 100 methods can be saved. A method name will be suggested for new methods. The method will be saved and the method table is displayed. The text editor opens. The method is now loaded and is displayed in the main dialog under Method Exporting a method The methods can be exported to a connected USB flash drive. NOTE This function is possible only if a USB flash drive is connected as an external storage medium. The method is being exported. The directory structure on the USB flash drive is listed in chapter 5.3, page Stirrer operation You can control a connected stirrer directly in the main dialog. The algebraic sign changes the direction in which the stirring is done. The stirrer is started and stirs at the rate which has been set. The stirrer is stopped Dosimat plus 35 4 Operation 4.5 Entering sample data Menu Sample data In the dosing modes DOS and CNT, a sample size can be used for calculation. The sample size can be entered using the keypad in the main menu under Sample data or transferred directly from a balance by means of a cable connection.

When using direct data transfer from a balance, care must be taken to ensure that the settings for data transfer on the 865 Dosimat plus match those on the balance see page 36. ID1 ID2 Sample size Unit Sample identification. Entry Sample identification. Entry Sample size. max. 10 characters empty max. 10 characters empty Input range Unit of the sample size. This will be added to the selection list. The previous entry will be overwritten as soon as the new unit has been defined. 865 Dosimat plus 25 36 4.6 Preparing the buret unit PREP 4.6 Preparing the buret unit PREP The PREP function is used to rinse the cylinder and tubings of the buret unit and fill them air bubblefree. You should carry out this function once per day. The main menu opens. If an 805 Dosimat for tandem dosing is connected to the instrument, select the first or second Dosimat afterwards. The following message is displayed 2 Start the preparing CAUTION Make sure that the buret tip is directed into a vessel that can accommodate the cylinder volume of your buret unit several times over. The report is printed out. The following reports can be printed out manually Results Parameters System Result report with determination properties, sample data, calculated results, etc. Report with all method parameters of the loaded method. This report can be saved as a TXT file to a connected USB flash drive or sent to a terminal program or a LIMS via an RS232 interface. User name Instrument name Serial number Program version Time Date Language A user name can be entered here for the report. This parameter will only be printed if a user has been defined. Entry max. 12 characters empty A instrument name can be entered here for the report. This parameter will only be printed if a designation has been defined. Entry max. 10 characters empty Serial number of the instrument. This is printed as a part of the instrument identification in the report header. Version number of the instrument software. Current time.

Only valid numbers can be entered. Format h:mm:ss Current date. Only valid numbers can be entered. Format YYYYMMDD Setting the dialog language. An additional language can be selected besides English. 865 Dosimat plus 29 40 5.1 Basic settings NOTE In order to ensure that a second language can be selected, it must first be installed. This installation must be carried out by specialist

personnel. In chapter Language files, page 38, you will find details regarding the installation of a second language. Dialog type The user dialog can be limited for routine operations. One can operate normally with methods in the limited dialog. However, no settings can be made or methods deleted. The resetting of the dialog will take effect as soon as you exit the main menu. The limitation of the dialog results in the following The menu items System and Parameters are not shown in the main menu. Methods can only be loaded, but not deleted, exported or created. NOTE If the limited dialog for routine operation is activated, then the expert dialog cannot be activated during ongoing operation. To change the dialog type, the 865 Dosimat plus must be switched off and then back on again. The expert dialog can be forced as soon as the instrument is started up again. Then it is possible to enter whatever settings one wishes, e.g. the changing of the dialog type. If the instrument is switched off again without changing the dialog type, then the routine dialog will remain activated. Forcing the expert dialog Switch on the instrument. Wait for the display of the instrument logo with the lettering easy, safe, precise. Release both keys once again. Selection Expert Complete dialog. Expert Routine Expert Dosimat plus 41 5 System settings Routine Limited dialog for routine operations. This method will, however, cause the contrast to be modified by several steps. Beep PREP warning If this parameter is activated, then a short beep will sound in the following cases When a key is pressed.

At the end of the determination. Selection on off on If this parameter is activated, then the recommendation will be made to carry out the function PREP Preparing After the instrument is switched on. Each time a buret unit is attached. All tubing and the cylinder are rinsed with this function see Chapter 8.1.2, page 61. Selection on off on 865 Dosimat plus 31 42 5.2 Managing solutions 5.2 Managing solutions General Menu System Solutions Solutions can be used in intelligent buret units or in nonintelligent buret units. Intelligent buret units have a builtin data chip on which the data for the reagent is stored. This data is automatically read out during attachment and entered in the solution list. Edit New Delete The name and the type are specified for each solution in the solution list. An unlimited number of solutions in buret units with data chip can be added to the solution list. The number of solutions in buret units without data chip is limited to 10 items. Meaning of the type EU exchange unit without data chip IEU exchange unit with integrated data chip Edit the data of the selected solution, see following chapter. Add a new solution to the list, see following chapter. Delete the selected solution from the list Editing the solution data Name Type The designation of the solution is used for unambiguous identification. Entry max. 24 characters empty The model of the buret unit is displayed Dosimat plus 43 5 System settings Cylinder volume Concentration Concentration unit Titer Titer unit Date titer det. Monitoring Cylinder volume of the buret unit in ml. The cylinder volume is automatically read out with intelligent buret units. Selection Concentration of the solution. Input range Unit of the concentration. The previous entry will be overwritten as soon as the new unit has been defined. A blank entry can be generated this way as well. Titer of the solution. Input range Unit of the titer. Date of the last titer determination.

You will be notified that this time interval in days has elapsed when starting a method. You can then select whether or not you would still like to start the method. Input range d 999 d 5.3 File management Menu System File management NOTE This menu item is visible only if a USB flash drive has been connected as an external storage medium. Import Delete Backup Methods can be imported and deleted from a USB flash drive in this dialog. A backup of the system can be created all data and settings. Similarly, an existing backup can be reloaded. Import the selected method. Delete the selected method. Create a backup of all data and settings on the USB flash drive. NOTE Only one backup can be created on the same USB flash drive. If a backup is already stored on the flash drive, then this will be overwritten as soon as the function is performed once again. Restore Load the backup from a connected USB flash drive Dosimat plus 45 5 System settings Directory structure on the USB flash drive A directory with the instrument number will be created on the USB flash drive. The structure within this directory appears as follows Figure 16 Backup Files Directory

structure on the USB flash drive All of the files of the backup are stored in this directory. The directory is created as soon as a backup is created for the first time. Exported methods are stored in this directory. The directory is created as soon as a backup is exported for the first time. It can be saved as follows as a TXT file on a USB flash drive. Selection COM2 USB Stick USB Stick COM2 The report is sent via the serial COM2 interface. If a printer is connected, then the printer type needs to be defined here in order for the reports to be printed out correctly. 865 Dosimat plus 35 46 5.4 Configuring external devices The printers that have the designation ESCPOS are so-called POS printers pointofsale printers, i.e. they print on continuous paper.

Selection Citizen ESCPOS Custom ESCPOS Epson Epson ESCPOS HP DeskJet HP LaserJet Seiko ESCPOS HP DeskJet Keyboard layout Balance A commercially available USB keyboard can be connected to make it easier to enter text and numbers. Specify the countryspecific keyboard layout. Selection English US French FR German CH German DE Spanish ES English US If you have connected a balance, then you must define the balance type here. Selection AND Mettler Mettler AT Mettler AX Ohaus Precisa Sartorius Shimadzu Sartorius The following table indicates the balance type that needs to be selected for the balance model Balance AND Mettler AB, AE, AG, AM, AJ, PE, PM, PJ, PR, XP, XS Mettler AT Mettler AX, MX, UMX, PG, ABS, PBS Ohaus Voyager, Explorer, Analytical Plus Precisa Sartorius Shimadzu BX, BW Balance type AND Mettler Mettler AT Mettler AX Ohaus Precisa Sartorius Shimadzu Editing the COM1 settings Menu System External devices COM1 settings Dosimat plus 47 5 System settings The interface parameters for the connected balance are set under COM1 settings. Baud rate Data bits Stop bits Parity Handshake Transfer rate in characters per second. Selection Number of data bits. Selection Number of stop bits. Selection Type of parity testing. Selection even none odd none Type of the data transfer protocol. Selection hardware software none hardware NOTE If communications problems occur, set the parameter Handshake to software, and make another attempt. The parameters and input ranges are identical to those for the COM1 interface. 865 Dosimat plus 37 48 5.5 Instrument diagnosis 5.5 Instrument diagnosis Loading program versions and language files Menu System Diagnosis New program versions or language files can be loaded from a USB flash drive. The corresponding file must be saved on the USB flash drive in a directory with the instrument number e.g. 848 or 863. You can distinguish between language files and program files by noting how the file name is constructed.

<https://www.informaquiz.it/petrgenesis1604790/status/flotaganis20032022-1156>