SevenExcellence[™] QuickGuide

Get to Know Your Instrument



If you prefer to use the SevenExcellence[™] instrument as a conventional electrochemistry meter, you can start a measurement directly with the well known "Read" button. Method measurement, on the other hand, gives you the possibility to program a very simple or very complex method with up to 6 measurements, instructions for the operator or user-defined calculations. Each method has clearly defined settings for higher reproducibility and can be started with One Click[™] through customized shortcuts. This allows you to map your SOPs and even export and import your methods to other SevenExcellence[™] instruments.

To help you with the proper instrument setup for either direct or method measurement, this QuickGuide will teach you to:

- define and select the right sensor (section A)
- set up a direct calibration or measurement (section B)
- program a calibration or measurement method (section C)
- change general settings (section D)

The following examples are based on the measuring parameter pH. The steps shown also apply for the other parameters such as conductivity, ion concentration or dissolved oxygen.



For more detailed information about operating SevenExcellence[™], please refer to the operating instructions or the installation guide online at: www.mt.com/SevenExcellence



Sensors: Definition and Selection A)

Please note: If an ISM® sensor is used, there is no need to define and select the sensor manually. A connected ISM sensor is automatically recognized.

A1	Image: Administrator 07/04/2013 13:65 Image: Cond. DD Image: Administrator Prilion Cond. DD Image: Administrator Results Cond. DD Image: Administrator Results Cond. DD	To create a new sensor press Sensors .	A5	Double settings ① 〕 Produk settings ① 〕 Sensor name Image: Comparison of the settings (Automatic, Standard, Internal) Image: Comparison of the settings (ru, pH, 3) Galaration settings (METTLER TOLEDO Europe (Ref. 25*C), pH, Linear) Cancel Save	In the 'Module settings' menu press the 'Sensor name' option.
A2	Sensors O Constraint number Module Redox MTRedoxSensor ISFET MTISFETSensor Ion MTIorSensor Conductivity 741 ISM MODULE_B Back New	Press New to define the parameters of your new sensor.	A6	Select sensor O Module settings Provide settings Type Name Serial number H Strate-scale Serial number Redox MTRedoxSensor In Ion MTIOnSensor Empty Cancel Cancel In	Select the correct sensor from the list.
A3	Parameters Sensor type Sensor type Sensor type Sensor type Calbration mode Unsar Offret Sope 100.0 % Cancel	Select the 'Sensor type', the 'Sensor name' and if needed, the 'Serial number'. Press Save to confirm.	A7	Concention MTPHSensor Bensor name MTPHSensor General settings (Automatic, Standard, Internal) Measurement settings (~, pH, 3) Calbration settings (METTLER TOLEDO Europe (Ref. 25*C), pH, Linear) Cancel	Check that the correct sen- sor is selected. Press Save followed by the Home icon to return to the 'Home' screen.
A4	Image: Construction of the second	To select an already defined sensor, click on the desired module.	A8	Item Administrator 07/04/2013 15:02 ● ● Methods ● 14/201 Cond. DO ▲ Services ✓ MITH Sensor ● Results ● Services	The selected sensor appears on the screen.

B5

B6

B7

Buffer group

Calibration mode

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Module setti

General settings (Automatic, Standard, Inter

Measurement settings (--, pH, 3)

or name

Femperature senso

Linear

3

Expert Pro

(METTLER TOLEDO Europe (Ref. 25°C), pH, Linear)

Direct Measurement: Setup and Execution B)

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	Temperature sensor					
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	Measurement settings (, pH, 3)					
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D O	EEE General settings		0 0			
B3	Module settings>General settings					
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o set up a direct neasurement or alibration, click on the lesired module to enter Module Settings.'

n 'Module Settings' a ariety of general, neasurement and alibration settings can be Iltered. Confirm any etting changes with **OK**.

General settings:

Change endpoint format, emperature capture and he option to stir or print. General settings are valid or direct calibration and neasurement.

Measuring settings:

Define your sample ID, select the measuring unit (pH or mV), the decimal places of your result and activate interval measurement.

Calibration settings:

Choose your buffer group, automatic buffer recogni-METTLER TOLEDO Europe (. tion and the number of buffers with which to cali-1 brate. -

Press Save. Once set, you can directly start either calibration (press Calibrate) or measurement (press Read) from this screen.

• DO Cond. V Expert Pro V 741 ISM V 0p

You can also initiate a measurement of all activated modules (indicated with a tick mark) directly from the 'Home' screen. Press Read.

C) Method Measurement: Setup and Execution



D) General Settings: Setup

D1	Home Admendator 07(3)/2013 10:26 ① Image: Second Se	Press Setup . In the 'Setup' menu, you can change various settings, including language, date and time, acoustic signal etc.	D5	Setup Image: Constraint of the setup Solution Solution Solution Solution Image: Constraint of the setup Solution Tables Solution Back Solution	To change date and time press Global settings.
D2	Setup Image: Constraint of the setup Setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint of the setup Image: Constraint o	The following steps show how to set languages and change date and time. To set languages press User settings.	D6	Öj Global settings () Settep-Gobal System User management Analysis and resources behavior Physical properties Bock	Press System.
D3	Öl User settings ① ○) Setus-Vorr Language Screen Beep Shortada Keyboards Back	Press Language.	D7	Öİ System settings () Setapo Glavio System Identification Date/Time	Tap Date/Time.
D4	Of. Language settings O Settep-User Janguage English Touch screen English Report English	Press the 'Touch screen' /'Report' option and select your preferred language. To confirm press Save.	D8	Date/Time O Sciupi Global-System Date/Time Imme/dd/yyy Date format mme/dd/yyy Enable radio dock Imme/dd/yyy Date/Time 07/03/2013 14:15:08 Time cone U/UTC-12:00) Internationale D.	Press the different options and select your preferred date and time format and set your date, time and time zone. To confirm, press Save .

E) Appendix: News List



Actions that are not related to entered values or running measurements are added to the 'News List'. Example: Sensor or peripheral device detected.

E2 News Connected

New actions or changes are listed in yellow on the 'News List.'

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For more information