

MultiLab User

ADMINISTRATING FUNCTIONS FOR IDS METERS (PC SOFTWARE)

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1 Overview

The PC program MultiLab User extends your meter by administrative functions that can be conveniently carried out on the PC.

- User administration
- Administrating the sensor names

1.1 User administration

After activation of the user administration by the administrator, measuring is only possible after login with a user name. The user name is documented with the measured values and in records.

The user administration is swapped out to the PC.

The following functions are available to the administrator:

- Creating / Erasing user accounts
- Establishing access protection through a password
- Activating / Deactivating the user administration on the meter

The meter can manage up to 50 users.

1.2 Administrating the sensor names

The sensor names of IDS sensors are stored in the sensors. During operation, the sensor names are automatically transmitted to the IDS meter. Thus the measurement and calibration data can be assigned to the sensor. Sensors of the same type can be identified by the serial number.

The function *Sensor names* enables to clearly identify several sensors of the same type by assigning an individual sensor name to each sensor, e.g. relating to the measuring location, measuring task or user.

2 Installation

2.1 System requirements

2.1.1 System requirements - PC

- Free USB port on the PC or a USB hub
- Operating system Microsoft Windows 7 or Windows 10.
- USB VCP driver (see CD-ROM)

- CD-ROM drive (optional, for installation from CD-ROM)

2.1.2 System requirements meter and sensor

- IDS meter
- IDS sensor (for the sensor name to be edited)
- For the function *Sensor names* :
The IDS meter and IDS sensor have to be connected with a cable. The connection via the WLM system is not suitable.

2.2 Installing the *MultiLab User* program on the PC

The *MultiLab User* program is on the CD-ROM included in the scope of delivery of the meter or accessible on the Internet.

1. Unpack the installation program, `Install_MultiLabUser_Vx-xx.zip` and start the executable file.
2. Follow the user guide.
The program is installed.

2.3 Connecting the meter with the PC

A USB cable (type A - type B) is required for the connection.

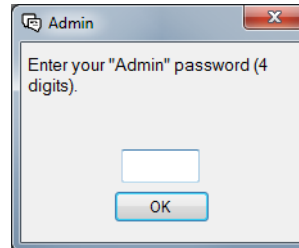
The *MultiLab User* program recognizes the suitable meters.

1. Connect the meter to the PC with a USB cable.
2. Switch on the meter.

3 Operation

3.1 Starting the *MultiLab User* program

1. Connect the meter to the PC.
2. Switch on the meter.
The meter displays the start window. A measured value is displayed if a sensor is connected.
3. Start the *MultiLab User* program from the start menu.
As soon as a meter is recognized, you are prompted to enter an administrator password.



A password consists of 4 digits.



If you use the *MultiLab User* program for the first time:

- Enter a new password here.

This password is assigned to the user name, Admin P.

It enables access to the meter with the user name Admin P and access to the user administration on the PC.

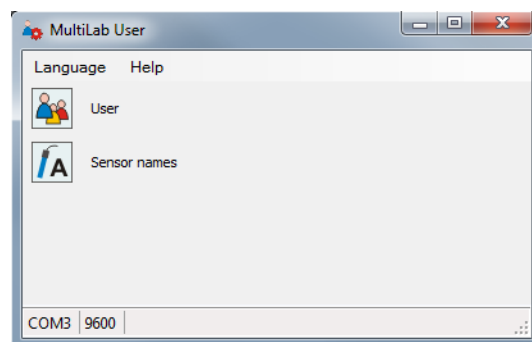
- Confirm the new password with OK.

A window for the password repetition pops up.

4. Enter the password and confirm with *OK*.

The password is displayed hidden.

The *MultiLab User* window opens with the selection of the functions available for the connected meter. Functions not available are grayed out.



5. Select a function.

3.2 Activating the user administration on the meter

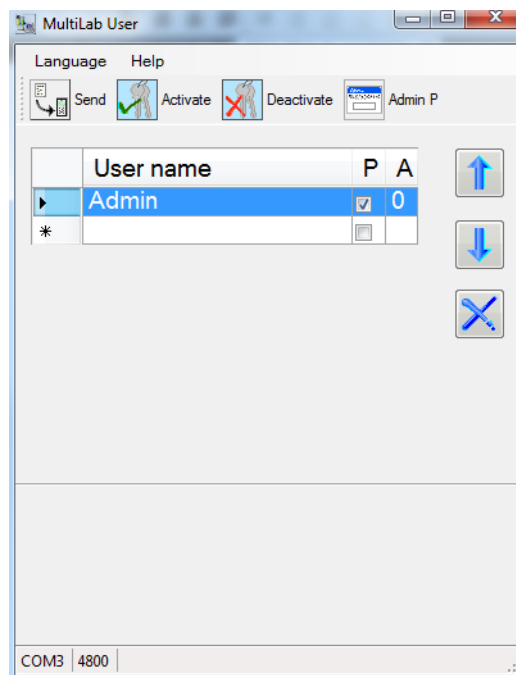
1. Start the *MultiLab User* program (see 3.1 Starting the MultiLab User program, page 5).
2. Select the *User* function.
The list of users is read out from the meter and displayed on the PC.



If you use the *User* function for the first time:

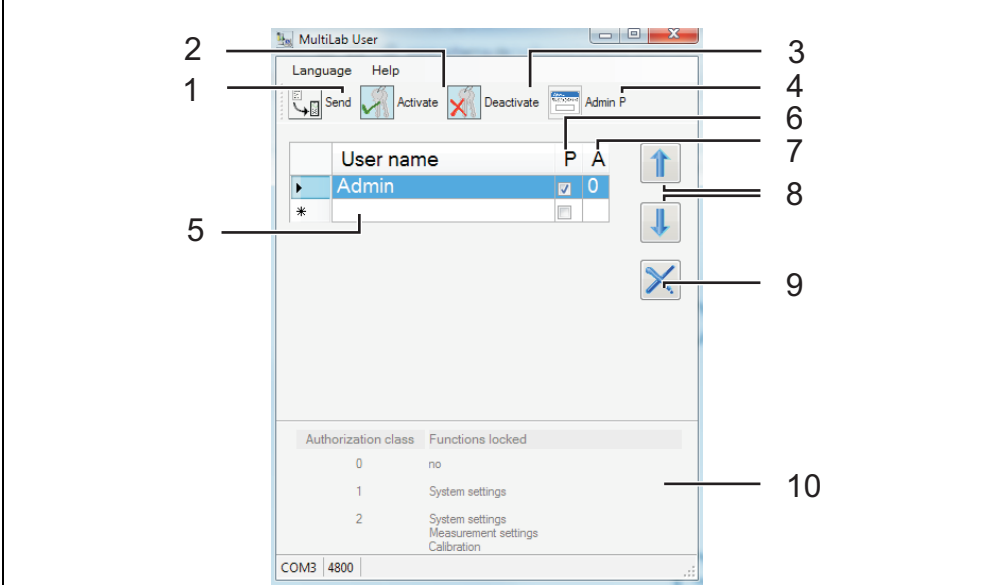
The query, *Create a new list of users in the meter? A list stored in the meter will be deleted.* pops up.

The list of users is created on the meter and displayed on the PC. The list is given the user name Admin P and the P field is checked off (access is password-protected).



3. If necessary, select a different language in the *Language* menu.
4. If necessary, open the operating manual for the software in the *Help* menu.
5. Edit the user list (see 3.2.1 User administration, page 8).
6. Send the list of users to the meter with *Send*.
A progress bar is displayed while the data are being transmitted. The meter will then restart.
7. Activate the user administration in the meter with *Activate*.
A progress bar is displayed while the data are being transmitted. The meter will then restart. The *Login* menu is displayed.
Before you can measure with the meter, first select a user name and enter a password as necessary.

3.2.1 User administration



The screenshot shows the MultiLab User software interface. At the top, there is a menu bar with 'Language' and 'Help'. Below it is a toolbar with buttons for 'Send', 'Activate', 'Deactivate', and 'Admin P'. The main area contains a table with the following columns: 'User name', 'P', and 'A'. The first row is highlighted and contains 'Admin', a checked box, and '0'. Below this table is an 'Authorization class' table with columns 'Authorization class' and 'Functions locked'. The first row shows '0' and 'no'. The second row shows '1' and 'System settings'. The third row shows '2' and 'System settings, Measurement settings, Calibration'. At the bottom left, it says 'COM3 | 4800'.

- 1 Send the lists of users to the meter.
- 2 Activate the user administration on the meter.
- 3 Deactivate the user administration on the meter.
- 4 Change the password for the user name, Administrator.
- 5 Create new user.
Enter a user name at the end of the list (empty box, 15 characters max.).
- 6 Activate the use of a password for a user name.
The user determines the password while logging in with the user name for the first time. The administrator does not know the password.
- 7 Enter the authorization class as a number (0/1/2) (see 3.2.2 Authorization classes, page 8)
- 8 Change the order of user names in the list.
Use the arrow keys to change the position of the highlighted user name within the list.
- 9 Erase a user name.
The highlighted user name is erased.
- 10 Information on the authorization classes
The information is displayed if a field for an authorization class is active.

3.2.2 Authorization classes

The software *MultiLab User/ User account* enables to assign authorization class to each user. With the authorization classes (0/1/2) the administrator can restrict the rights of the users.

Thus the settings and functions that influence the measured value quality can be protected against changes.

<i>Authorization class</i>	<i>Functions locked</i>
0	<i>no</i>
1	<i>System settings</i>
2	<i>System settings</i> <i>Measurement settings</i> <i>Calibration</i>



Meters of the latest generation support the administration of authorization levels.

If a meter does not support this function, the software *MultiLab User* does not display the input field for the authorization level.

3.3 Administrating the *Sensor names* sensor names

1. Start the *MultiLab User* program (see 3.1 Starting the MultiLab User program, page 5).
2. Select the *Sensor names* function.
The list of the connected sensors is read out from the meter and displayed on the PC.

1 *Send*
Transmit sensor names to sensors.

2 *Reset*
Reset sensor names to default condition.

3 *Channel*
Number of the channel to which the sensor is connected.

4 *Sensor name*
Edit the sensor name (max. 30 characters).

5 *Sensor name in delivery condition (sensor type)*
The name the sensor has in the default condition remains stored and can be restored with *Reset* at any time.

6 Channel display
The red channel indicator displays the plug position of the highlighted sensor.

3. If necessary, select a different language in the *Language* menu.
4. If necessary, open the operating manual for the software in the *Help* menu.
5. Select a sensor in the column *Sensor name*.
6. Edit the name.
7. Using *Send*, transmit the edited name to the sensor or using *Reset*, reset the sensor names to the default settings.
A query to check and confirm the action pops up.
8. Confirm the sending of the sensor name(s) to one or several sensors with OK.
A progress bar is displayed while the data are being transmitted. The meter will then restart. After the transmission is completed, the *Sensor names* window is closed.

4 What to do if ...

4.1 No connection to meter

Cause	Remedy
USB cable defective	Use another USB cable
Baud rate set on the meter is too high	<ul style="list-style-type: none">• Set lower baud rate on the meter (menu, System/interface)• Quit the setting menu• Restart the <i>MultiLab User</i> program.• Re-establish the connection
USB VCP driver is not installed	Install USB VCP driver

4.2 Function not available (function grayed out)

Cause	Remedy
The firmware version of the meter does not support this feature	<ul style="list-style-type: none">• Carry out a firmware update (see operating manual of your meter)
The meter does not support this function	<ul style="list-style-type: none">• Use another meter

4.3 Message *No sensors found.*

Cause	Remedy
<p>In the <i>MultiLab User</i> program, the <i>Sensor names</i> function was started under one of the following conditions:</p> <ul style="list-style-type: none"> • There is no sensor connected to the meter • The user administration is activated but not user has logged on to the meter 	<ul style="list-style-type: none"> • Connect a sensor • Deactivate the user administration before changing any sensor names or • If the user administration is activated, log on to the meter with user name and password

4.4 Forgotten the password?

Cause	Remedy
Password for a user name forgotten	<ul style="list-style-type: none"> • Erase the user name • Re-enter the user name • Send the list <p>The user can assign a new password with the next login.</p>
Administrator password forgotten	Please contact the service department.