

Webdisplay for MCS200HW

1 Intended use

The MCS200HW is operated via the display.

2 About this document

These Instructions describe the worksteps for firmware updates and changing passwords.

3 Zusätzliche relevante Dokumente

This document is a supplement to the MCS200HW Operating Manual. This document is available for download at www.endress.com. The publications can be found by entering the Part No. in the search field.

Furthermore, the following Operating Instructions apply:

Component	Manufacturer
WP 6121-WXPS – Webpanel	Phoenix Contact

4 Software information

4.1 License information on Open Source Software

The operating device works with a Linux operating system. License information for the individual Linux packages can be found in the web-based management of the operating device.

4.2 Source code

This product includes software components licensed by the rights holder as free software or open source software under the GNU General Public License version 2. Further information, see the Operating Instructions from the manufacturer.

5 Cyber security

The Cockpit must have a new complex password.

The default settings selected by Endress+Hauser at the time of delivery ensure a high level of safety. It is recommended not to change these default settings.

Further recommendations:

- The Linux User root and User browser must have complex passwords.
- The USB storage function may only be activated for firmware installations. The USB storage function must be deactivated again after the firmware installation.
- Remote access to the Cockpit should always be disabled by the Lock access (M2M/Remote browser) function.
- For SNMP, complex names must exist for the read and write communities. Even with the complex read and write Community names, SNMP must not be used because the Community names are transmitted in plain text on the network.
- Endress+Hauser recommends not changing the preset SNMP Community names.
- VNC should not be used. If VNC is used, a complex password must be used.
- The Remmina (VNC client) should not be started or used.
- The USB-C (on port X6) must not be used (only USB-A on port X2 and X3)

Further information:

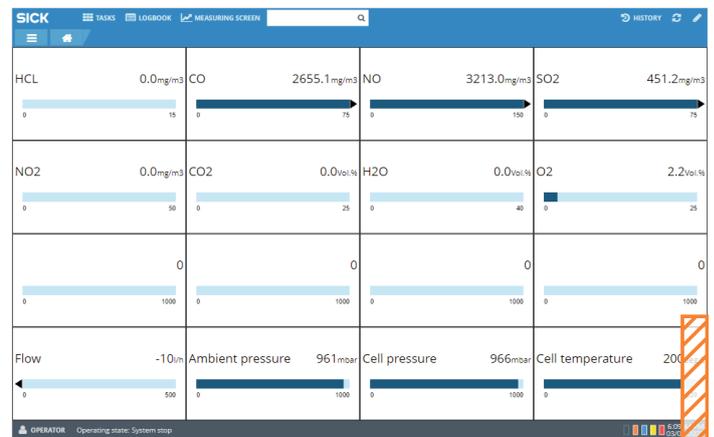
- An SSH server runs on the display. It is possible to log in to the Linux system as User browser via SSH. Logged in as User browser, a switch to User root is possible with *su*. A direct login via SSH as User root is not possible.
- The access data of the Linux User root and User browser are predefined by Endress+Hauser. When the Cockpit password is known, it is possible to change this access data without knowing the predefined access data (see Section Update firmware and change default password).
- Endress+Hauser recommends not changing the predefined access data of the Linux Users root and browser.

6 Functionality

6.1 Cockpit

The Cockpit is the web interface of the display. The display settings are made in the Cockpit. It can be accessed remotely (via the web browser) and directly on the display. Remote access is disabled by default.

A long press (about 2 sec) in the lower right corner opens a menu. The upper control panel of the menu (House) opens the home page of the Cockpit.

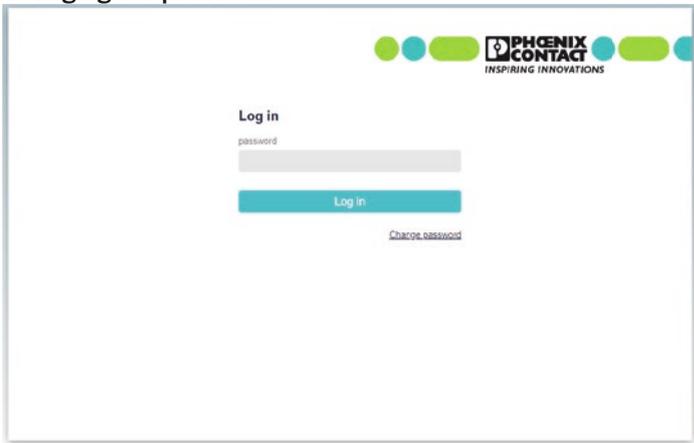


On the Cockpit home page, the Network, Application, Display, Regional Settings, Operation and Information categories are available. All categories, except the Information category, are password protected.



On delivery, the Cockpit is equipped with a start password that must be changed during initial startup. There is no automatic prompt to change the password.

Changing the password



to change the Cockpit password, click Change password in the password entry area. First enter the current password and then the new password twice.



NOTE

If the password is lost, access to the Cockpit cannot be reset.

Access to the Cockpit and remote access to the web interface are protected by the same password.

Save the settings

The settings must be saved on the individual pages using *Accept*.

Some settings require a restart of the display. If a restart is required, the user receives a message on the display.

Activating USB for a firmware update

Before a firmware update can be performed via USB, Option *Disable USB storage on the Operation* page must be deactivated to activate the USB storage function.



Activate *Apply* to save the setting. The display must then be restarted by disconnecting the power supply.

Disabling USB after firmware update

After the firmware update, Option *Disable USB storage* must be activated again to deactivate the USB specification.



Press *Apply* to save the setting. The display must then be restarted by disconnecting the power supply.

SNMP

The *Operation* page contains the SNMP settings. When delivered, complex community names from Endress+Hauser are defined here. It is recommended not to change these default settings.



6.2 Firmware update

The firmware update is performed via USB.

1. Copy the firmware file (zip file) to a USB data carrier without unpacking it.
2. Activate the USB memory function in the Cockpit.
3. Insert the USB data carrier into port X2 or X3 when the display is switched on.
4. After a few seconds, a prompt appears on the display asking whether the firmware update should be performed. This is to be confirmed.
5. Wait until the update has been performed (during the update, the display will turn black and the progress will be shown on the console).
6. Deactivate the USB memory function in the Cockpit after the firmware update.
7. Disconnect the power to switch the display off.
8. Remove the USB data carrier.
9. Start the display by connecting it to the power supply.



NOTE

The firmware update resets the Linux accesses of Users *root* and *browser* to the default passwords. New passwords must therefore be defined.

User root – changing the default password

Change the password of User *root* as follows:

1. Connect the USB keyboard to the device.
2. Connect the device to the supply voltage.
3. Open the console (<Ctrl>+<Alt>+<F1>).
4. Login as User *root* with standard password *foo*.
5. Enter command *passwd* on the console.
6. Enter the new password twice and confirm with Enter.
7. Logout with <Ctrl>+<d>.
8. Remove the USB keyboard.
9. Restart the display by switching the power supply off.

User browser – changing the standard password

Change the password of User *browser* as follows:

1. Connect the USB keyboard to the device.
2. Connect the device to the supply voltage.
3. Open the console (<Ctrl>+<Alt>+<F1>).
4. Login as User *browser* with standard password *browser*.
5. Enter command *passwd* on the console.
6. Enter the actual password set.
7. Enter the new password twice and confirm with Enter.
8. Logout with <Ctrl>+<d>.
9. Remove the USB keyboard.
10. Restart the display by disconnecting the power supply.