CorrSen

Procedure for Sensor Replacement by the User

(Version 1.1)

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GEMA

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1. Replacing sensors in the CorrSen logger

Customer replacement of sensors in the CorrSen logger is possible with the CorrSen or CorSen O loggers types only, i.e. with types that have the sensor freely inserted directly into the logger or connected via a connector.

In the CorrSen H logger, the sensor (both cable-free and cable-equipped versions) is embedded in the logger box and replacement is therefore only possible by the manufacturer.

Before replacing the sensor, it is first necessary to terminate the measurement with the original sensor, transfer all data to the server (in off-line operation), then delete all data in the logger and close the measurement on the server. Then the sensor can be replaced with a new one. After replacing the sensor, a new measurement must be created on the server, measurement parameters must be set and only then a new measurement can be started in the logger.

To terminate and start a measurement in the logger, the user will need a mobile phone with the CorrSen application installed (Android or iOS). If the application is not yet installed, it can be downloaded for free in the relevant store (Google Play or App Store).

More detailed instructions for individual steps can be found in the documentation for the server and the relevant application.

2. Terminating the active measurement with the original sensor

2.1. Terminating measurement in the logger

Terminating the active measurement with the original sensor must proceed in the following steps:

1. Check the status of the data transfer

To make sure that all the relevant data are loaded in the measurement file on the server log in to the server, click on the relevant measurement (Measurements menu), display and check the measurement graph and check the date of the last measurement on the on the right side of the screen (Last measurement at…..).

2. Upload all recorded data to the server.

Start the CorrSen application.

In the Android application, first select the Read Measurements function. If the logger is working offline, download all measured and unread data in the logger and send it to the server.

In the iOS application, first select the Read Logger function and if the logger is working offline, download all measured and unread data in the logger using the Read measurements button and send it to the server (yellow Send measurements button).

3. Erase all stored data in the logger

Delete all measured data in the logger using the Erase storage button. Important! First, use the Erase storage button to erase all measured data in the logger, and only then use the Stop measurements button to end the measurement and switch the logger to idle state.

4. Terminate the measurement in the logger

In the Android application: Select the Stop button to terminate the measurement and switch the logger to the idle state.

In the iOS application: Select the Stop measurement button to terminate the measurement and switch the logger to the idle state..

2.2. Closing measurements on the server

Log in to the server again and open the corresponding measurement. Use the Finalize measurements button to close the measurement (a confirmation of this step is required). From this moment on, the measurement will no longer be available from the Measurements menu, but it can still be viewed in the Archive menu.

3. Sensor replacement

After the old measurement is finished, we can replace the old sensor with a new one. First, we remove the original sensor and then insert the new one into the logger. Insert the sensor (or the connector on the cable) into the slot in the logger until the sensor connector is fully inserted – see the pictures.

For CorrSen O, insert the round connector into the socket in the logger box and carefully screw and tighten the sleeve that protects the connector against moisture ingress.

Then place the logger at the desired measurement location.

4. Starting a new measurement with a new sensor.

4.1. Creating a new measurement on the server

According to the server user documentation, create a new measurement in the Measurements menu in your account and enter all the parameters of the new measurement, especially the type of new sensor, measurement interval, etc.

4.2. Start measurement in the logger

Start the measurement in the logger using the mobile application. The application must be launched and, if necessary, logged in to it while the mobile phone is connected to mobile data. The actual measurement can now be started even in locations outside the range of mobile data. The measurement (transfer of the logger from idle mode to measurement mode) is started using the Start measurement function in the relevant mobile application according to its user documentation.