

## The program function "Gauge import with extended functions" – Data conversion from DABAQ4W (16bit) to the DABAQ32 system

If you already use the QMSOFT gauge management system and you will now start with the new QMSOFT32 the conversion of your existing Gauge management data has to be made.

Before you can start the data conversion the "QM-MANAG32" has to be installed and you should have created an empty "Gauge stock" where you import your old data (see the user manual "Part I - First start and configuration").

If you have to convert more than one "Gauge stock" please use the program "Configurator32" to create the different "Client databases" before starting the conversion.

First steps before starting the conversion:

- 1) start the QM-MANAG program to create a basic database as described in the manual **Section I.3** "First start and Program configuration";
- 2) if you have only one database in your old system the destination for your conversion may be the 1<sup>st</sup> created and empty client database "DB"; if you have different gauge stocks please have a look to the manual for the QM-MANAG program section III.2.2 and read how to create new database files and creating new "clients"; **create one "Client" for each 16bit database you need to convert.**
- 3) install the **32bit Paradox BDE** on your computer (at least on one computer where you want to execute the data conversion); to do this execute the "Setup" routine you will find on the QMSOFT CD-ROM in the folder "**Additional\Borland\BDE**"!

Open now your client database where you want to import your old data.  
Start the menu "Gauge import..." as shown in the figure.

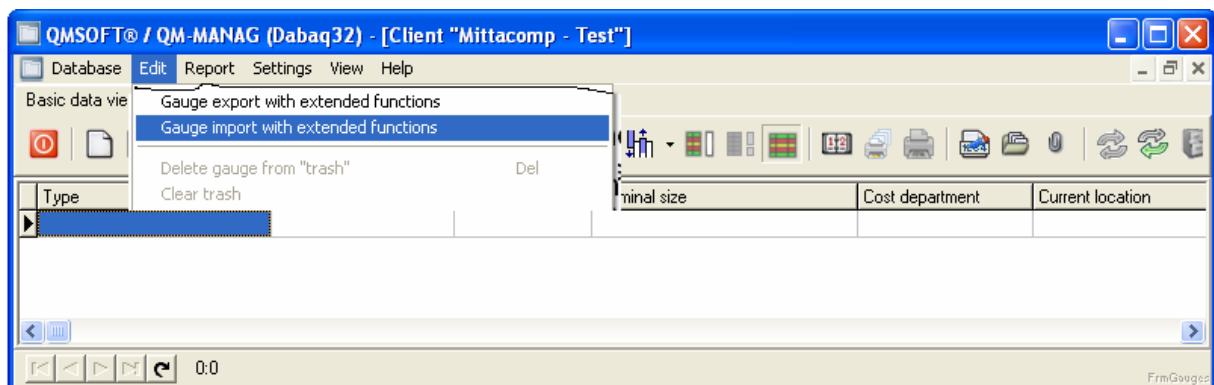


Figure: The menu "Gauge import with extended functions"

To execute this conversion you have inside the QM-MANAG program the menu option "Gauge import with extended functions"

## 1. Start the conversion function

Do the settings as marked with 1), 2), 3) (see figure):

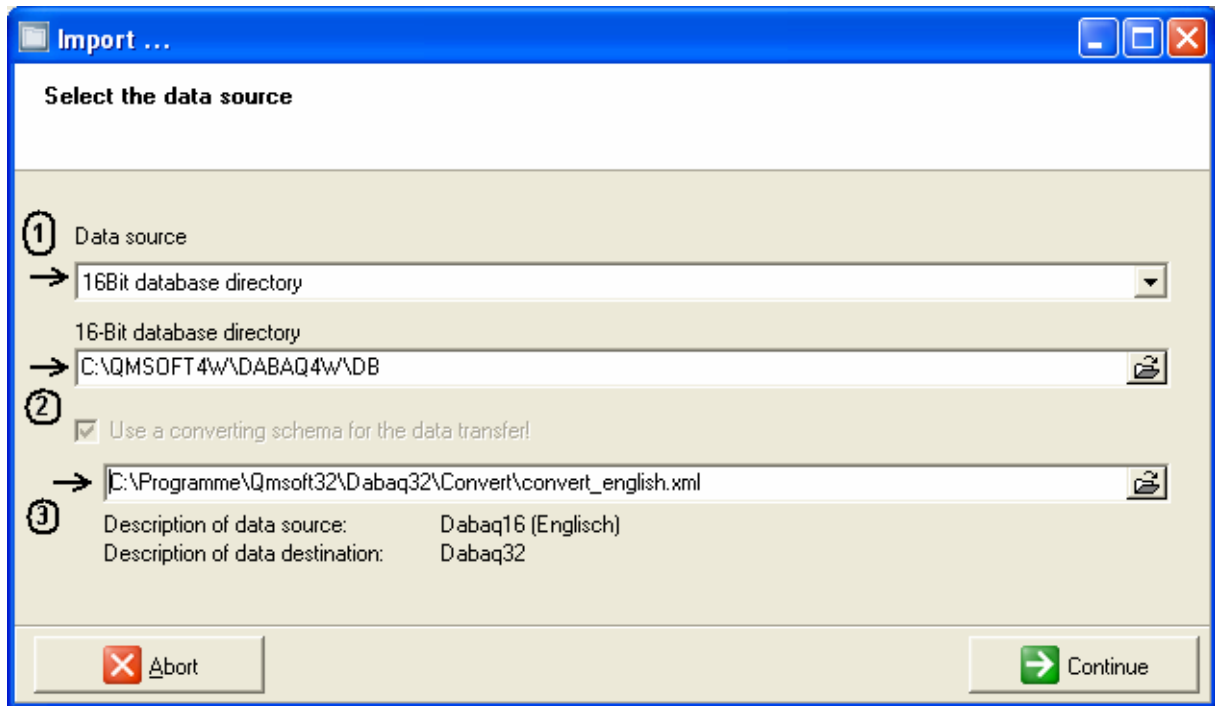


Figure: Select the data source and the conversion schema

NOTE: Your "16bit database directory" may be different from the shown example!

Note: The "converting schema" is an assignment list who is defining the links between the data from the "old" database and the new database file. This schema will be saved in a file with the extension "XML". With distribution of the QMSOFT programs there will be installed different pre-defined converting schemas for different languages.

- ☞ To convert a database which was created in "English" language you has to use the "**CONVERT\_ENGLISH.XML**" conversion schema. This schema does include all conversion instructions based on the default database structures. Only if you made changes on the distributed database structure you need to adapt the schema

**NOTE:** If you have more then one database in your QMSOFT 16bit system and these databases does have different database structures, please save your conversion schema for each database with a new name.

## 2. Set the conversion options

The conversion functions "Default settings" will guarantee that al of your old data will be converted to the new system. "Gauge status", "Gauge action" and "Gauge type" informations you have never used in the old system will be ingnored for the data conversion.

**Import ...**

**Transfer options**

**Gauge actions**

- ☒ Take over all "Gauge actions"
- ☐ Take over used "Gauge actions" only
- ☐ No "Actions" take over

**Gauge(s)**

- ☒ all global gauge data ☐ only selected gauge data
- ☒ Take over type dependent "Gauge basic data"
- ☒ Take over gauge history events
- ☐ the last history event for each action only

**Gauge types**

- ☐ Take over all gauge type definitions ☒ Used gauge types only

**Status**

- ☐ All "Status" items ☒ Used "Staus" items only

**Units**

- ☐ All "Unit" items ☒ Used units only

**(Inspection-) periods**

- ☐ All "Inspection periods" ☒ Used periods only

Figure: Options for data conversion / **recommended settings!**

**Please use the recommended settings as shown in the figure!**

Press "Continue"!

### 3. The data assignment

In the next steps you have to do the assignments for:

- the "Gauge actions"
- the "Gauge status" informations
- the "Gauge type" - type name and data field assignment

#### 3.1. Assignment of gauge actions

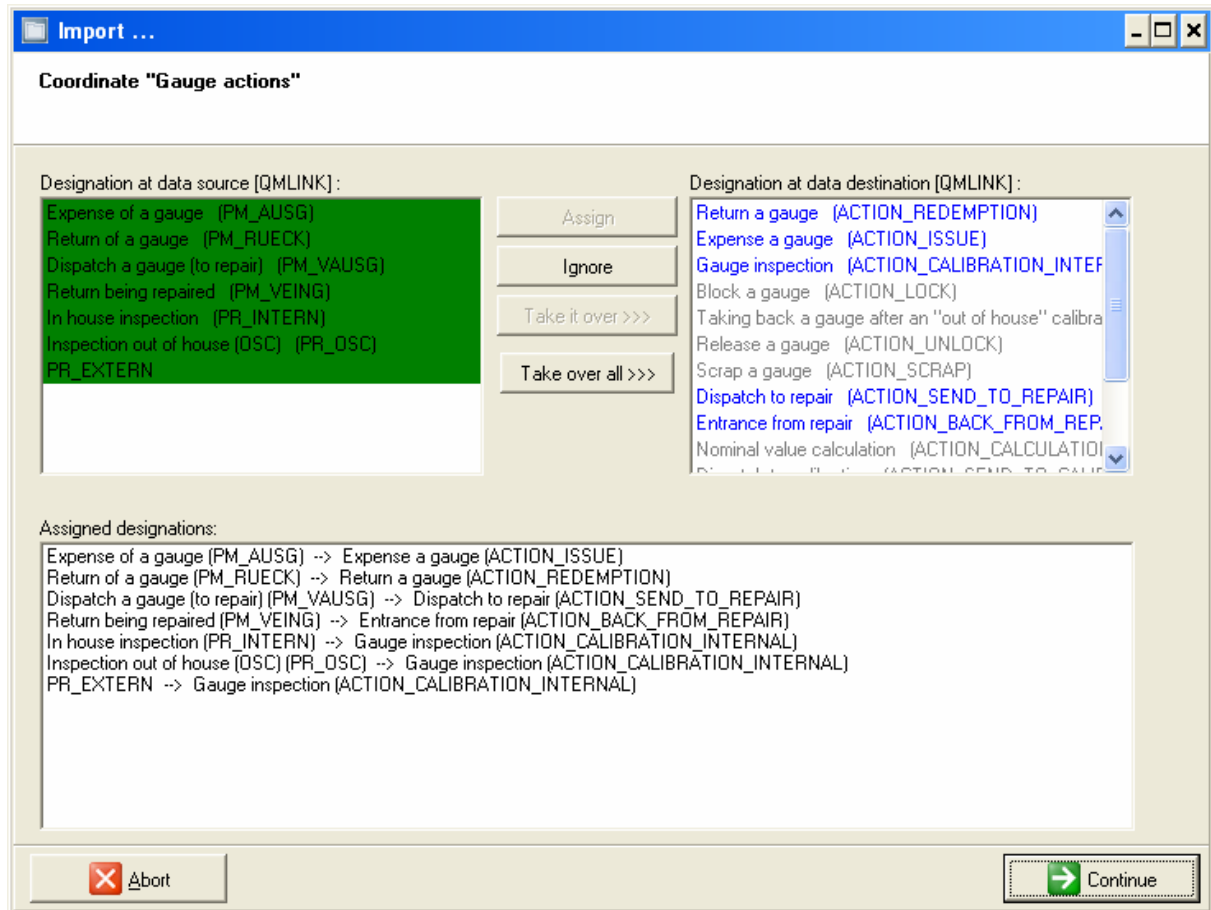


Figure: Assignment of "Gauge actions"

The lists in the figure are showing:

- at the left side all "Gauge actions" defined in the 16bit database source
- at the right side all "Gauge actions" defined in your 32bit destination database
- within the lower range of the screen the assignment between "old" and "new" data.

The colors in the left side signal the condition of the assignments.

Usually all actions at the left side should be marked "Green". That's meaning that the assignment are complete.

"Red color" marked actions needs to be assigned to one of the actions at the right side. Click at the action in the left list to mark it; then click the related action you want to assign in the right list; at least click the "Assign" button to create the link.

If any assignments are correct press the "Continue button"!

### 3.2. Assignment of "Gauge status"

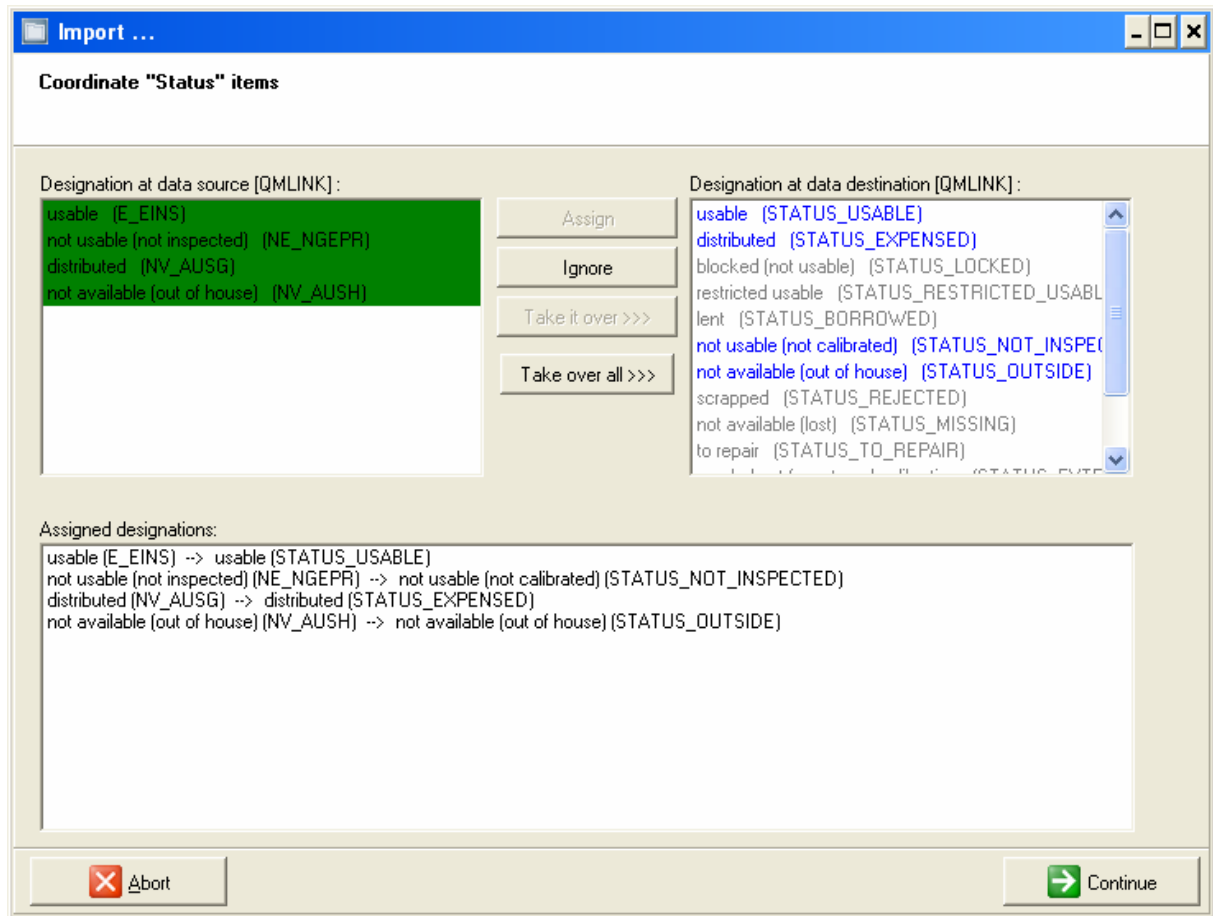


Figure: Assignment of Gauge status

Do the same steps as described before (assignment of Gauge actions).

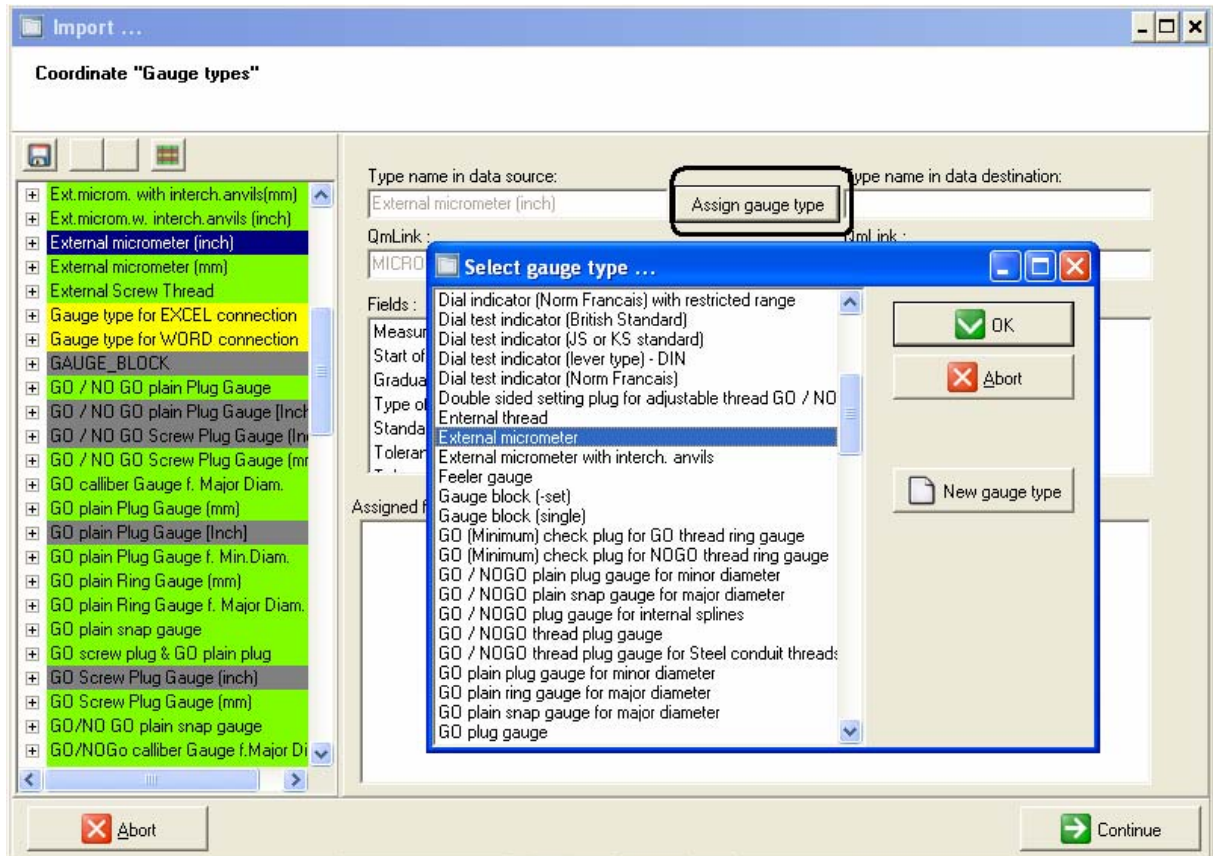
If any assignments are correct press the "Continue button"!

### 3.3. Assignment of Gauge type information

The most important point when converting the data is the assignment of the gauge types and the related type dependend informations.

The conversion schema "Convert\_English.XML" does include all the default assignments. So usually you has only to control it and to add missing links.

#### 3.3.1. The dialogue "Gauge types"



Here you will now see a list with all gauge types existing in your old database.

The colors will signal if the assignment to a Gauge type in your destination database was made and if the assignments are complete.

Gauge types with "Gray" marking do not have an assignment to the destination database!

In this case click the button "Assign gauge type". You will now get a list with all Gauge types existing in your destination database. Select the the related gauge type from the list and press "OK" to do the assignment.

**NOTE:** In case that you can not find a gauge type which is corresponding to your selected "source type" we recommend to create a new type in your destination database before doing the conversion! Please see the user manual section "III.3.7. - Settings | Gauge types".

Additional to the type assignment itself the assignment of the type depended fields has to be made. Type depended fields does exist for the gauge types basic data and also for the different gauge actions. Please see the next sections for it.

### 3.2.1. Assignment of type depended basic data

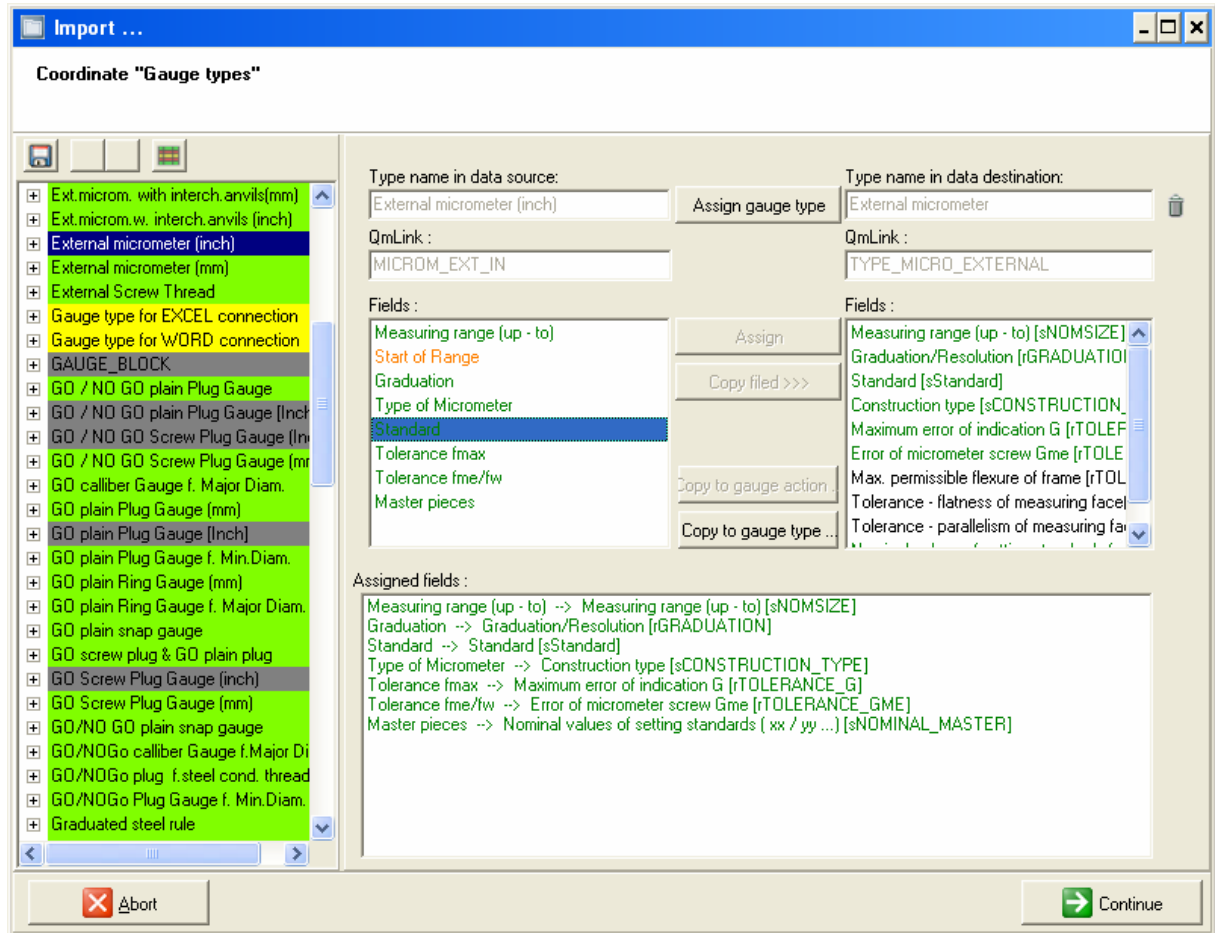


Figure: Assignment of gauge depended basic data

All fields of your type should be assigned to a related field of the destination type.

The field assignment has to be made as described before:

- select the field in the left list;
- select the field in the right list (data destination)
- click the "Assign" button

### 3.3.3. Assignment of type depended history data

After the assignment of the basic data the assignment of all fields used in the gauges history has to be assigned also.

Please follow the following instructions for it.

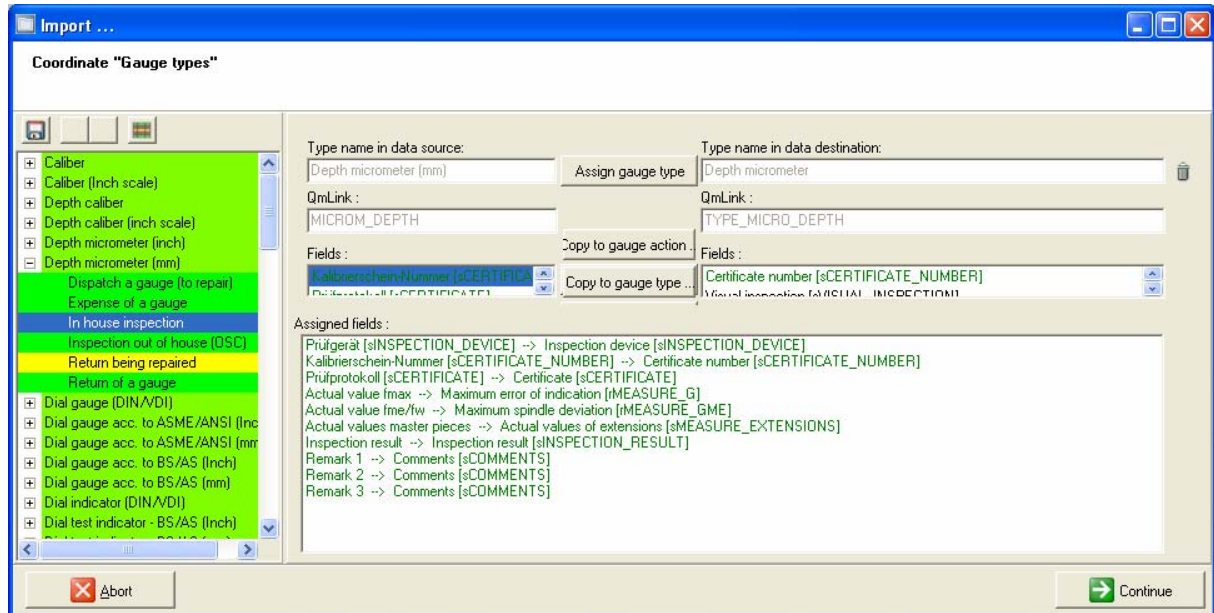


Figure: Assignment of data fields in the gauges history data

If you click at the "+" character at the left side the list of the related "Gauge actions" will be unfolded.

Please do all field assignment as described before.

## 4. Start the data conversion

After completing all assignment you can start the data conversion by clicking the "continue" button.

Please make sure that you have saved all your changes in the conversion schema!

**NOTE:** As a function of the quantity of the data it will take different time to execute the data conversion. It is possible that conversion will need one hour ore more!

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