O-QIS MCA/CMM Reporting Confirmation Options

Configuration and application

FAQ
22 November 2022
Created with Version 13.0.5.2

Information about this document

Parts of this document may be automatically translated.

Document History

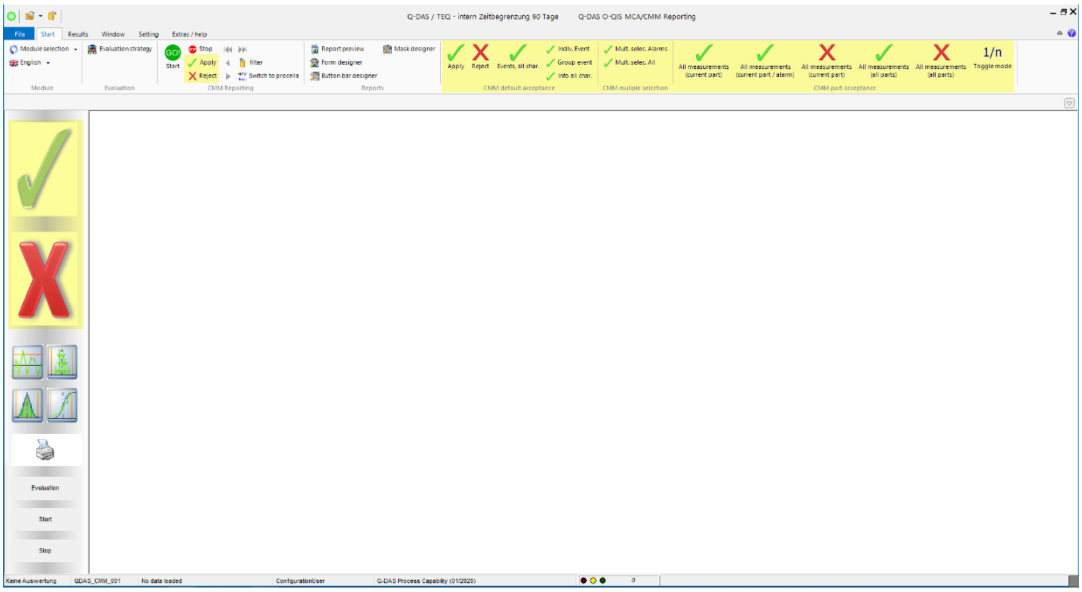
Version	Date	Author(s)	Modifications / Remarks
v-0.1	09.12.2021	UB	Translation
v-0.9	22.11.2022	SJ	Revision layout

CONTENTS

1 Functional description

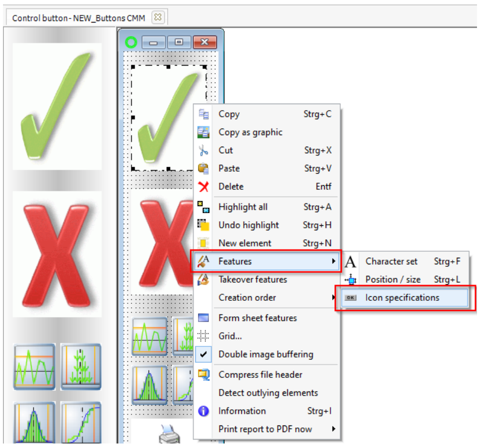
Based on this description, the available O-QIS MCA/CMM confirmation options are shown and explained. The basic functionality of the O-QIS MCA/CMM application is not part of this description. Separate FAQ documents are available for this purpose.

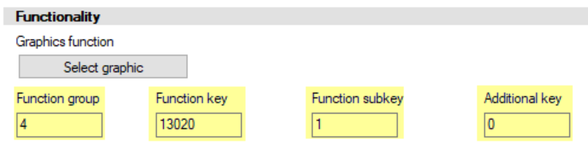
By default, you will find the confirmation options in two positions within the O-QIS MCA/CMM application: In the assistant and in the menu bar.



2 Overview available options

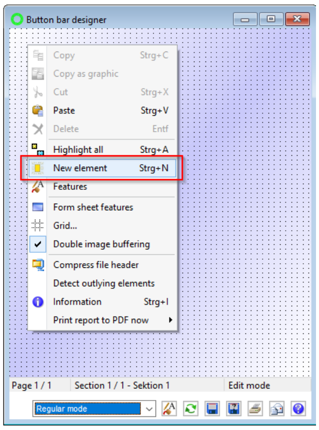
Each confirmation option in O-QIS MCA/CMM Reporting has an internal function code. This can be added/modified by using "Button Bar Designer" via right-click or enabled/disabled via the menu bar.

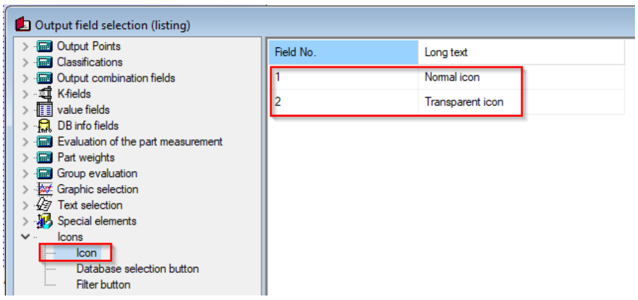




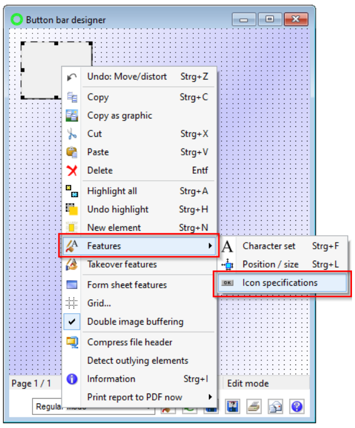
2.1 Composition and how to add a function code

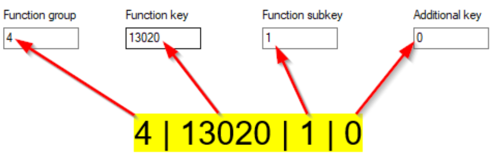
Using the button bar designer, a corresponding button must first be added. (drag and drop)





Via right-click on the inserted button, the corresponding function code and any name can be stored. In this example, the following function code is stored >> 4 | 13020 | 1 | 0 <<





3 Overview table function codes (standard delivery)

The 16 function codes listed here can be shown / hidden in the menu bar by default. An individual adjustment of the function codes is not possible here.

This overview table lists the complete function codes of the standard delivery:

Consecutive number.	Designation	Function code	Remark
	CMM Reporting		
1.	Accept measurement	4 / 13020 / 1 / 0	Standard delivery
2.	Reject measurement	4 / 13020 / 0 / 0	Standard delivery
	CMM Standard Acknowledgement Options		
3.	Accept measurement	4 / 13020 / 1 / 0	Standard delivery
4.	Discard measurement	4 / 13020 / 0 / 0	Standard delivery
5.	Events all characteristics	4 / 13020 / 1 / 1	Standard delivery
6.	Individual events	4 / 13020 / 1 / 2	Standard delivery
7.	Group events	4 / 13020 / 1 / 3	Standard delivery
8.	Info all characteristics	4 / 13020 / 1 / 10	Standard delivery

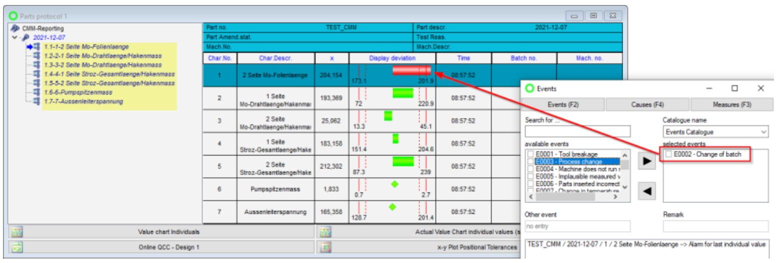
Consecutive number.	Designation	Function code	Remark
CMM Multiselect			
9.	Multiselect alarms	4 / 13020 / 1 / 4	Standard delivery
10.	Multiselect all	4 / 13020 / 1 / 5	Standard delivery
CMM parts acknowledgement			
11.	All measurements	4 / 13020 / 1 /30	Standard delivery
12.	All measurements (alarm)	4 / 13020 / 1 /31	Standard delivery
13.	All measurements (current part)	4 / 13020 / 0 / 30	Standard delivery
14.	All measurements (current part/alarm)	4 / 13020 / 1 / 40	Standard delivery
15.	All measurements (all parts)	4 / 13020 / 0 / 40	Standard delivery
16.	Togle mode (all parts)	4 / 13050 / 10 / 0	Standard delivery

3.1 Detail description of available confirmation options

The confirmation options described in detail here are based on the consecutive no. of the table from chap. 3

3.1.1 Consecutive number 1

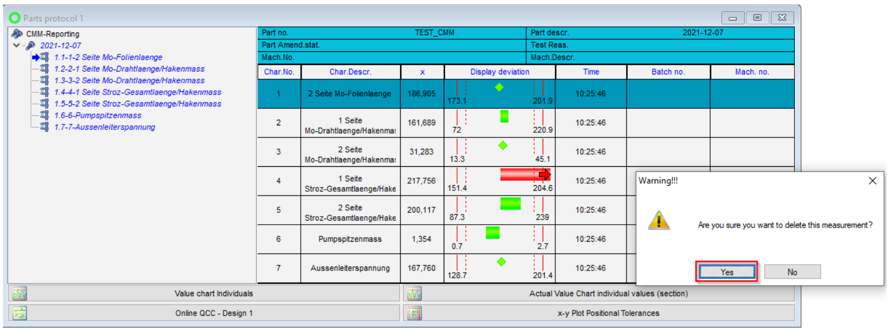
This is the default button for confirming a measurement. If a characteristic was alarmed within the read data set, the selected events are written to all existing characteristics.



3.1.2 Consecutive number 2

Function group	Function key	Function subkey	Additional key
4	13020	0	0

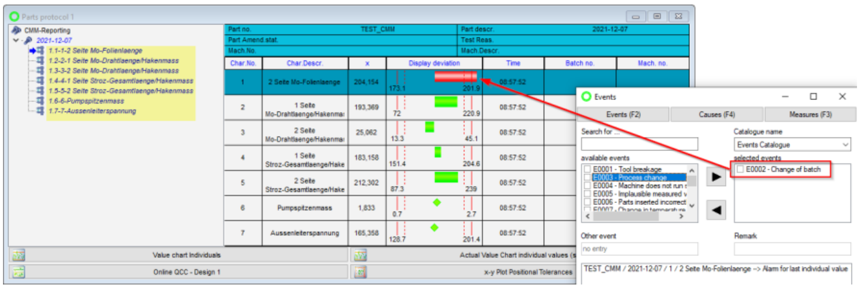
This is the default button for discarding a measurement. With the confirmation the corresponding measurement is deleted completely.



3.1.3 Consecutive number 3

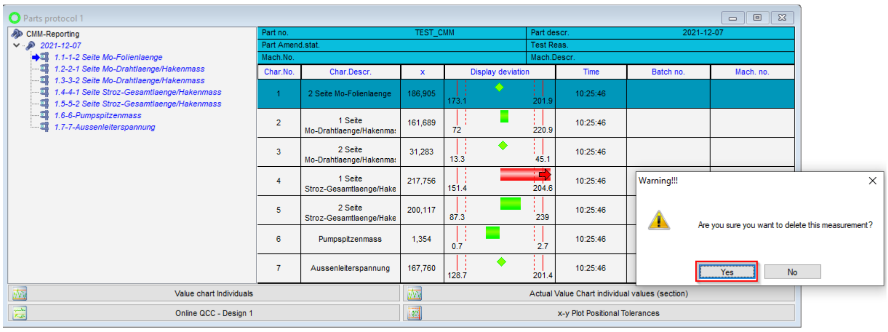
Function group	Function key	Function subkey	Additional key
4	13020	1	0

This is the default botton for confirming a measurement. If a characteristic was alarmed within the read data set, the selected events are written to all existing characteristics.



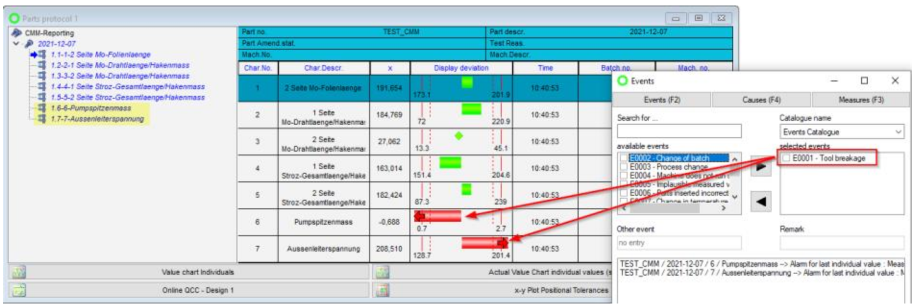
3.1.4 Consecutive number 4

This is the default button for discarding a measurement. With the confirmation the corresponding measurement is deleted completely.



3.1.5 Consecutive number 5

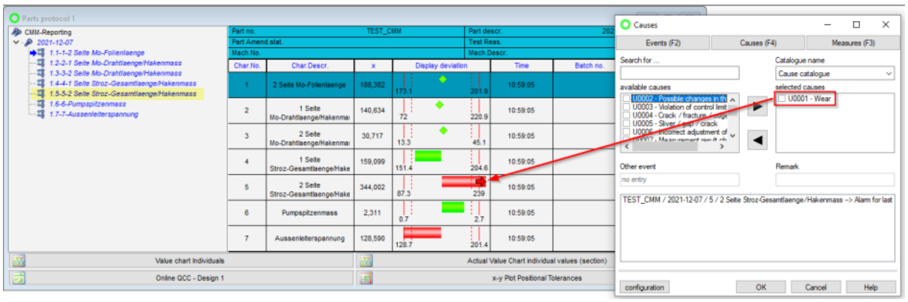
After confirming a measurement, the selected events are written only to the alarmed characteristics.

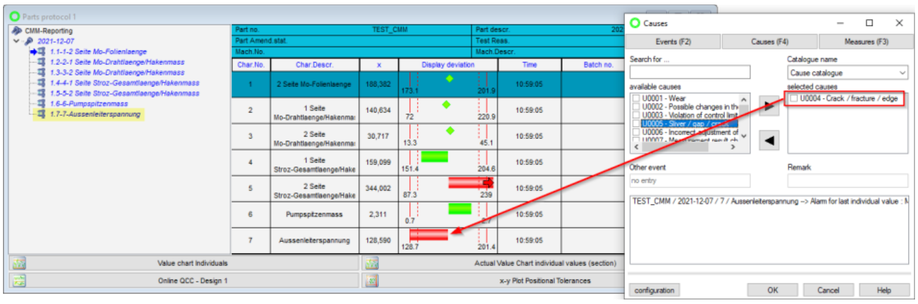


3.1.6 Consecutive number 6

Function group	Function key	Function subkey	Additional key
4	13020	1	2

After confirming a measurement, the event dialog is displayed separately for each alarmed characteristic. This means that various events can be stored for all alarmed characteristics. Events can be stored for all alarmed features. The event dialog appears until an event has been stored for each alarmed characteristic. The events are only written for the alarmed characteristics.



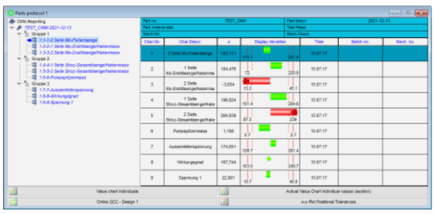


3.1.7 Consecutive number 7

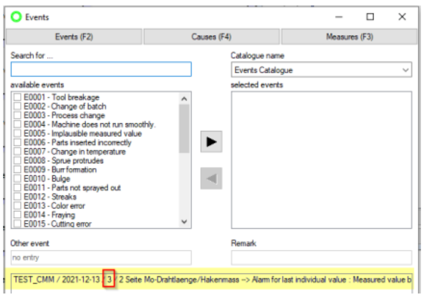
Function group	Function key	Function subkey	Additional key
4	13020	1	3

After confirming a measurement, an individual event can be stored for each characteristics group where an alarmed measured value is present. The stored event is written to the alarmed characteristics.

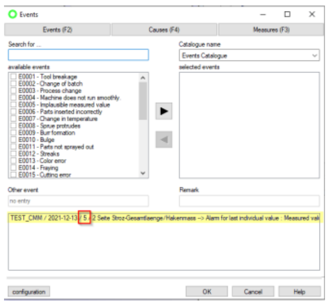
nOK value within group 1+2



Alarm within group 1



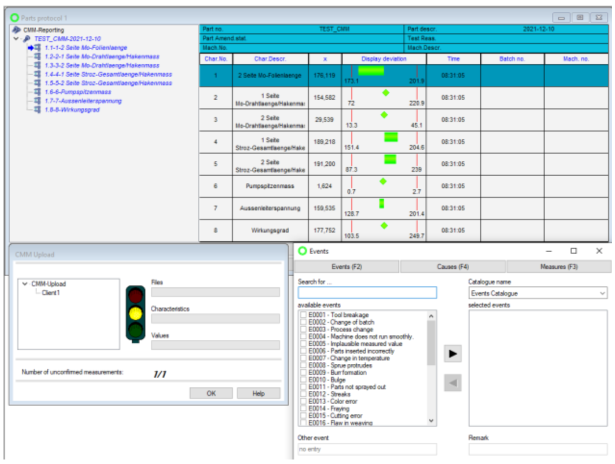
Alarm within group 2

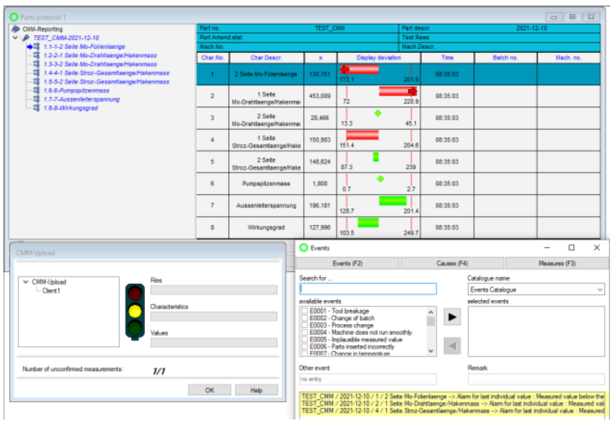


3.1.8 Consecutive number 8

Function group	Function key	Function subkey	Additional key
4	13020	1	10

After confirming a measurement, the stored events are written to all characteristics of the part. Event dialog is also displayed for parts with only good characteristics, but in this case it can be canceled without prior selection.

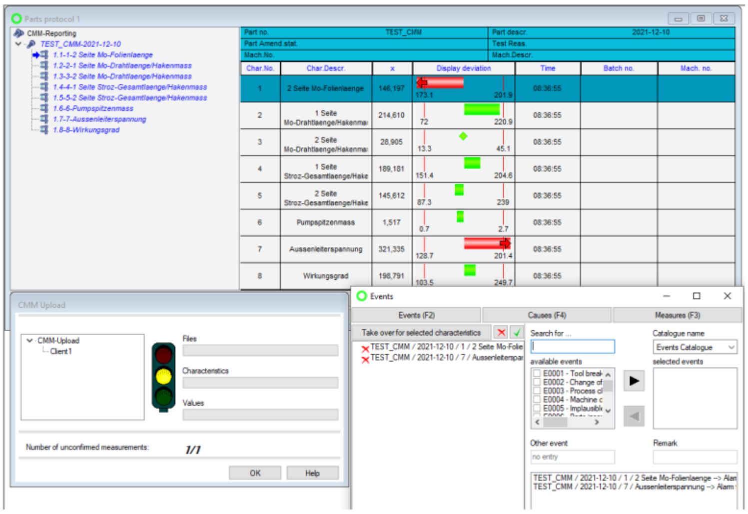




3.1.9 Consecutive number 9

Function group	Function key	Function subkey	Additional key
4	13020	1	4

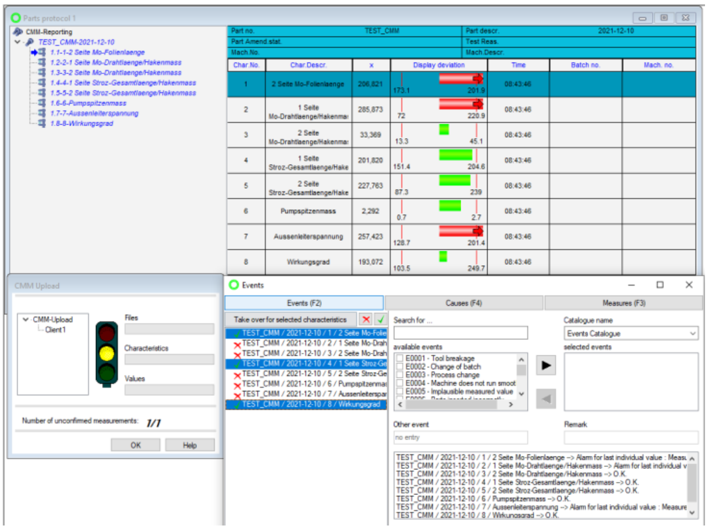
After confirming a measurement, the extended event dialog appears, with the display of all characteristics that have an alarmed measured value. First the events are selected and then the corresponding characteristics are assigned (multiple selection possible). The events are written only to the selected characteristics.



3.1.10 Consecutive number 10

Function group	Function key	Function subkey	Additional key
4	13020	1	5

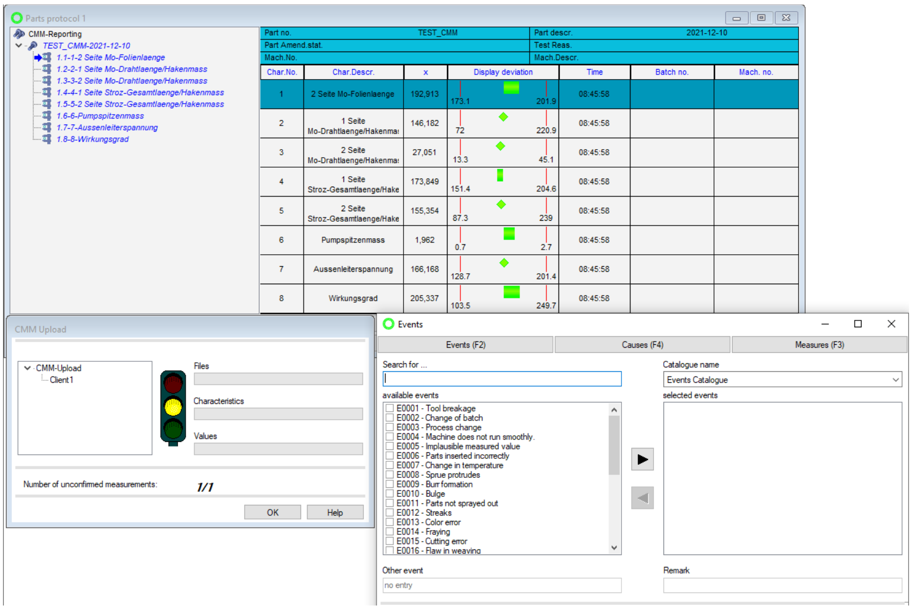
After confirming a measurement, the extended event dialog appears, with the display of all characteristics. First the events are selected and then the corresponding characteristics are assigned (multiple selection possible). The events are written only to the selected characteristics.

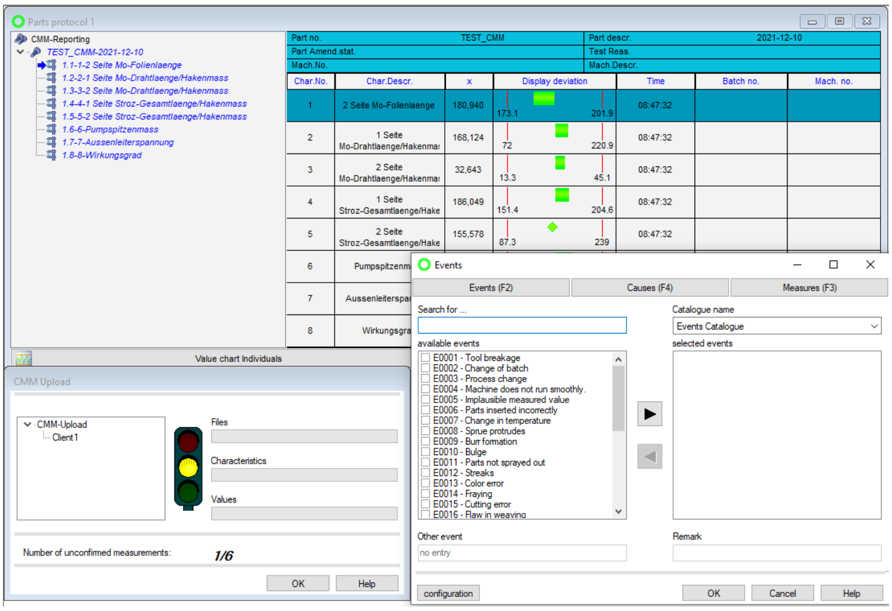


3.1.11 Consecutive number 11

Function group	Function key	Function subkey	Additional key
4	13020	1	30

This confirms all open measurements of a part. The events are written to all existing measured values of the part. The event dialog is generally always displayed here.



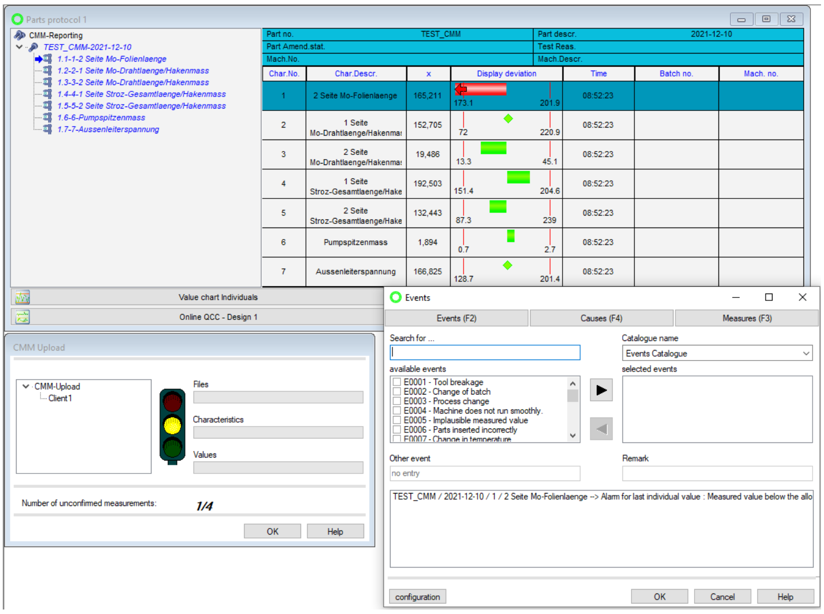


New parts are identified by the stored key fields in the used MCA/CMM upload.

3.1.12 Consecutive number 12

Function group	Function key	Function subkey	Additional key
4	13020	1	31

This is used to confirm all open measurements of a part. The events are only written to the alarmed measured values of the part. The event dialog is generally always displayed here.



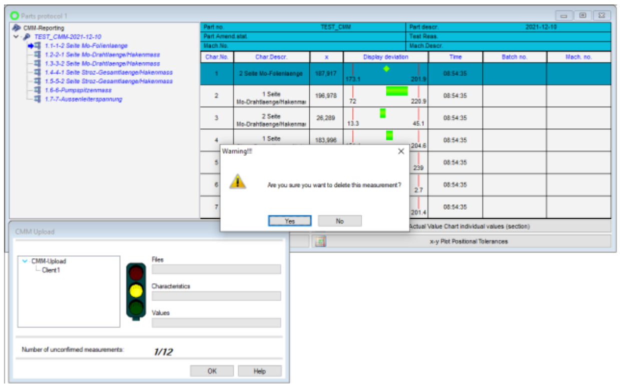
New parts are identified by the stored key fields in the used MCA/CMM upload.

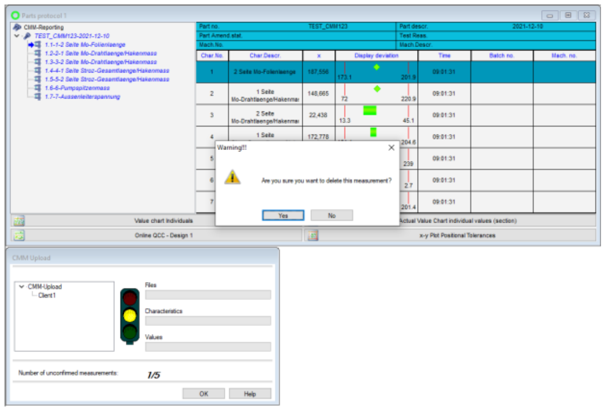
If the open measurements of a part have no alarmed measured value, the events selected in the event dialog are written to all measured values of the measurement. Behavior is identical to function code under chap. 3.1.11

3.1.13 Consecutive number 13

Function group	Function key	Function subkey	Additional key
4	13020	0	30

This will discard all measurements of a part that are still open. With the confirmation, the corresponding measurements are deleted completely.





New parts are identified by the stored key fields in the used MCA/CMM upload.

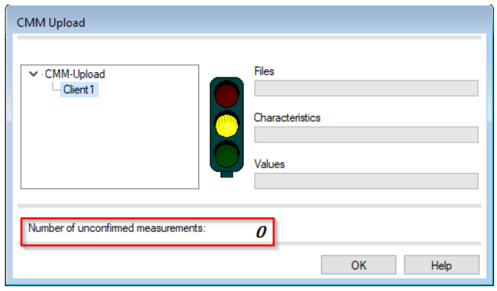
3.1.14 Consecutive number 14

Function group	Function key	Function subkey	Additional key
4	13020	1	40

This confirms all open measurements. The stored events are written to all existing measured values of the part. The event dialog is generally always displayed.

Before

After

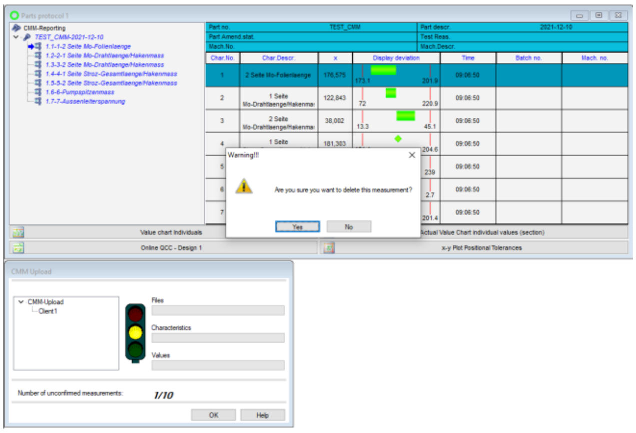


3.1.15 Consecutive number 15

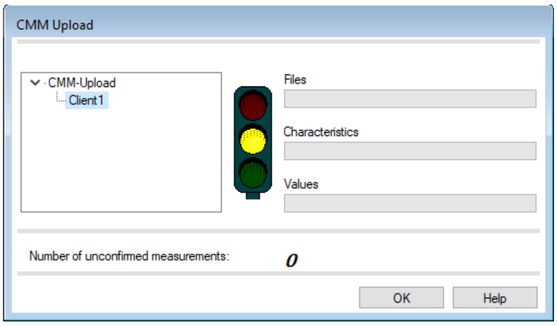
Function group	Function key	Function subkey	Additional key
4	13020	0	40

This will discard all measurements of a part that are still open. With the confirmation, the corresponding measurements are deleted completely.

Before



After

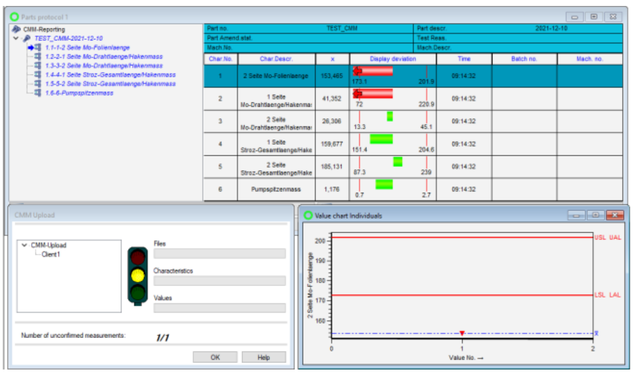


3.1.16 Consecutive number 16

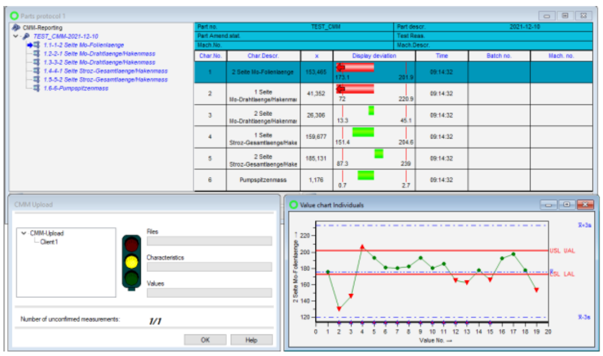
Function group	Function key	Function subkey	Additional key
4	13050	10	0

This displays only the measurements that are still open and not yet confirmed in the value charts.

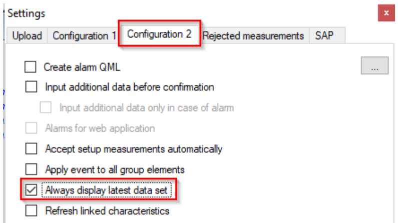
View toggle mode



View without toggle mode

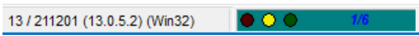


If several measurements are still open and the option "Always display latest data set" is used, only the measured values of the open measurements that have not yet been confirmed are displayed in the value chart.



View toggle mode	View without toggle mode
	

After using the button again, all pending measurements are displayed again. If the "Toggle" mode is active, the color of the number of measurements within the traffic light in the status bar changes from black to blue.

Normal mode	Toggle mode
	

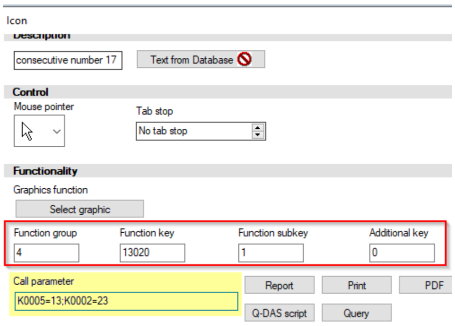
4 Overview function codes with parameters

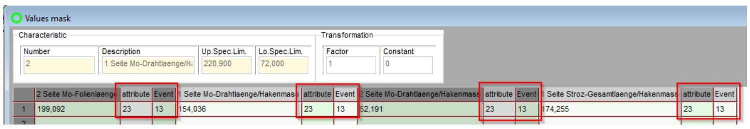
The function codes listed here cannot be shown/hidden via the O-QIS MCA/CMM application. These function codes can only be added and modified by using the button bar designer.

Consecutive number	Designation	Functionality	Remark
17.	Save attribute and/or event for measured value. Presetting by call parameter is required. Call parameter: "K0005=x;K0002=x ">> Not available as script <<	4 / 13020 / 1 / 0	Manual

4.1 Consecutive number 17

Hereby it is possible to write a certain attribute and/or event to all measured values automatically and without separate selection in the event dialog by confirming a measurement. The specification of which attribute/event is to be written is made by entering a parameter in the button bar designer.



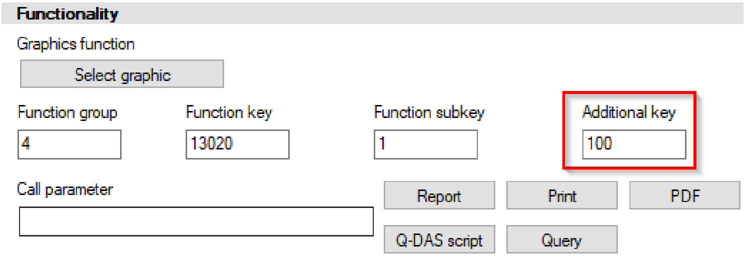


Only the two k-fields 0002 (attribute) and 0005 (event) are available. Other k-fields cannot be used here.

If further events are selected via the event dialog after the measurement confirmation, they will be written to all measured values in addition to the default of the button.

5 Offset for confirmation options

By an offset in the additional key area, the used confirmation button can be customized in the button bar designer. This results in a variety of combinations for a confirmation button. The corresponding offset must be stored in the button bar designer in the button used.



Not all available combinations are listed and described in this document.

A distinction is made between two types of offsets, which can be used in combination:

1. Button type - type of display (10 / 30 / 40 / 100)
2. Button type - event assignment (1 / 2 / 3 / 4 / 5)

5.1 Button type - display

This specifies the type of button to be displayed. The following are available for selection:

5.1.1 Offset 10

If the subitem 10 is used, the event dialog is generally always displayed after confirming a measurement. Even if all measured values are OK.

If the subitem 20 is used, the event dialog is generally not displayed after confirming a measurement. The possibly stored event obligation / input of events for alarms is completely ignored by this.

5.1.3 Offset 30

If subitem 30 is used, all open measurements of a part are acknowledged. (See Chap. 3.1.13)

5.1.4 Offset 40

If subitem 40 is used, all measurements that are still open are acknowledged or discarded. (See Chap. 3.1.14)

5.1.5 Offset 100

If the subpoint 100 is used, the additional data dialog appears before confirming a measurement without being activated.

5.2 Button type - assignment event

This specifies the type of button for the event assignment. The following are available for selection:

5.2.1 Offset 1

Event assignment only to the alarmed measured values/characteristics.

5.2.2 Offset 2

Event assignment only to the alarmed measured values/characteristics and display appears separately for each alarmed characteristics feature.

5.2.3 Offset 3

Group assignment for alarmed characteristics/measured values.

5.2.4 Offset 4

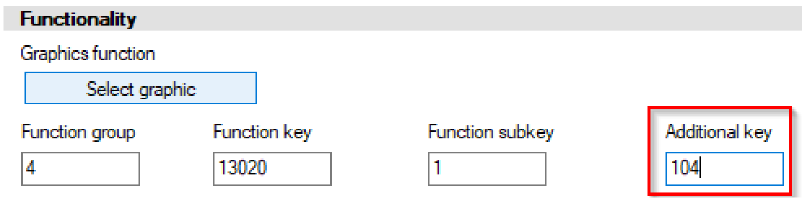
Display of all faulty characteristics incl. multiple selection.

5.2.5 Offset 5

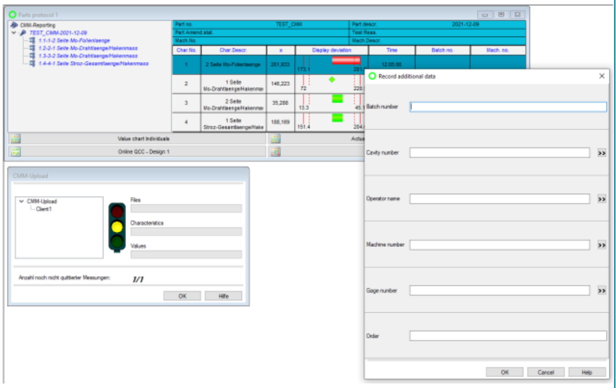
Display of all characteristics incl. multiple selection.

5.3 Example of combined use

In this example, the offset 100 is used in combination with the offset 4. The entry 104 must be entered in the "Additional key" field of the button. This means that after confirming the additional data dialog is displayed and then only the characteristics with an incorrect measured value are displayed in the event dialog.



Display additional data dialog



Display event dialog incl. multiple selection of faulty characteristics