



Q-DAS Product Line

Application bars Basic handling

FAQ handling/configuration 29 August 2023 Created with Version 14.0.2.3





Information about this document

All rights, including translation in foreign languages, are reserved. It is not allowed to reproduce any part of this document in any way without written permission of Hexagon.

Parts of this document may be automatically translated.

Document History

Version	Date	Author(s)	Modifications / Remarks
v-0.76	07.11.2022	SJ	Initial Release
v-0.1	07.11.2022	SJ	Translation
	23.08.2023	LG	New template



CONTENTS

1	Ap	oplic	ation bars - functionality	3				
2	Preliminary consideration for managing and configuring the application bars3							
3	Ap	oplic	ation bars - Handling	4				
4	Ap	oplic	ation bars - Configuration	5				
	4.1	Dis	play of the application bars	6				
	4.2	Lab	elling of the buttons	7				
	4.3	But	ton function	8				
	4.3	3.1	Edit function list	9				
	4.3	3.2	Function assignment	11				
	4.3	3.3	Assign key combination to function	13				
	4.4	Sav	ving the configuration of the application bar	14				
	4.5	Sar	ne application bars for different characteristic types	14				
5	Fu	incti	ons in the "Summary/input" element - Standard	15				
	5.1	Fur	actions for loading data sets	15				
	5.2	Bas	sic handling functions	15				
	5.3	Fur	nctions for changing the view levels in the "Summary/input" windows	16				
	5.4	Fur	actions related to data recording	17				
	5.4	4.1	Basic functions for recording the measured values	17				
	5.4	4.2	Additional information on the measured value or measurement	19				
	5.4	4.3	Data recording during a special measurement	19				
	5.5	Fur	nctions for calling up the Q-DAS graphics	20				
	5.6	Fur	actions related to report creation	20				
	5.7	Fur	nctions for execute the Q-DAS scripts and external files	21				



1 Application bars - functionality

One of the tools for a simplified handling in the Q-DAS applications are the application bars. These are socalled toolbars for easy access within the Q-DAS elements such as graphics, masks or "Summary/input" windows.

The buttons within the application bar are individually configurable. They can be used to call up additional graphics, frequently used functions or to automatically execute a sequence of commands.

2 Preliminary consideration for managing and configuring the application bars

The configuration of the application bar can be called up after an element has been activated. This indicates that the configuration of the application bars is saved for the active element. The saving as well as the distribution follow the inheritance of the configuration management.

Charac	Characteristics Statistics - Design 9										
Part no	tensues statistics - Design	- 1		Dar	Dart descr Assembly #1						
Char No.	Char Dooor			Pai	r descr.	orit ladov	Ouerell exclus	Assembly #1	Histogram ledi		
Char.ino.	Char.Descr.	×	5	por inde	x	chi. Index		Value chart individuals		viduals	
1	Test 1	20.00453	0.0126	P _p = 0	.84	P _{pk} = 0.77	+				
2	Test 2	14.067923	0.00124	C _p = 2	2.01	C _{pk} = 1.90		Cardina			
3	Test 3	130.0392	0.0326	C _p = 1	.79	C _{pk} = 1.42					
4	Test 4	0.504	0.361	C _p =	- 915	C _{pk} = 1.89		antistas in televistation in the	$\mathbf{\Lambda}$		
5	Test 5	718.30	61.03	C _p = 1	.07	C _{pk} = 0.82	➡	new and the second of the s			
6	Test 6	0.02527	0.0135	C _p = 1.3	35 15	C _{pk} = 1.48			\wedge		
7	Test 7	0.00829	0.00467	C _p = 1.5	51 ₁₅	C _{pk} = 1.58		andi a mulda staliel dielte des			
8	Test 8	30.00668	0.0397	P _p = 1	.54	P _{pk} = 1.52				\ ¦	
9	Test 9	19.9973	0.0637	P _p = 1	.83	P _{pk} = 1.72					
10	Test 10	64.916	1.109	C _p = 1	.50	C _{pk} = 1.48		in the second second second second			
	Value cha		Histogram Individuals								
	Form shee	et - Design 3			Form sheet - Design 4						

The following example shows the graphic "Characteristics Statistics - 9". In the standard delivery, the application bar is configured for the graphic and activated for the user "ConfigurationUser".

The configuration of the application bars is only available to users with the user right "System configuration".



3 Application bars - Handling

Each Q-DAS element such as a graphic, mask or the "Summary/input" window has the buttons for handling the application bars. These can be found for the active element in the "Graphical settings" tab in the ribbon.

- The dialogue for configuring the application bar is called up.
 The user does not have the right to call up the dialogue for configuring the application bar.
 Shows the application bar in the active element. The button is only shown if the configuration already exists.
- Hides the application bar in the active element. The button is only displayed if the configuration already exists.

Different combinations of buttons are displayed according to the user right and the existing control bar configuration.

In the standard delivery, an application bar is configured for the "Characteristics Statistics - 9" graphic. The graphic "Characteristics Statistics - 1" does not have a preconfigured application bar in the standard delivery.

Graphical settings of "Characteristics Statistics - 9

The user "Operator" may show or hide the existing application bar, but not adjust the configuration.

File	Start	Graphics	Results	Assessment	Part / characteristic	Graphica	l settings	Window
F [/] F Font	•	📃 Info <u>c</u>	raphic confi	gurations 👻	English ▼ 202			
_ Grapi	nic styles	Display			Display		Character	istics Statist

The user "SuperUser" may adjust the configuration.



Graphical settings of "Characteristics Statistics - 1

The user "Operator" is not allowed to create a new configuration. The missing buttons to show or hide the application bar are an indication of the missing configuration.

File	Start	Graphics	Results	Assessment	Part / charac	teristic	Graphical	settings	Windo
F [/] F Font Info Grap	▼	info <u>c</u>	graphic conf	igurations 👻	English 🗸				.
		Display			Displ	ay	Chara	acteristics S	tatist

The user "SuperUser" may create the configuration of the application bar.

Part / characteristic Gr	aphical settings Wind	lo
	🖹 🗄 🔳	
🎛 English 👻 🔯		
Display	Characteristics Statist.	



4 Application bars - Configuration

The "Configuration application bar" dialogue is a dynamic dialogue. The functions and options provided in the dialogue depend on the module or product used and the previously activated element.

"Configuration application bar" dialogue for the graphic "Characteristics Statistics - Design 9" in qs-STAT.

Configuration application bar Rows and columns Select rows, columns columns 2	Alignment upper lower left	 "Configuration application bar" dialogue for "Summary/input 1" window in procella. 	for the
rows 2 — Height 60 —	ight	Configuration application bar	×
Display Text Shortcut Reset to standard Select graphic	Additional f	Rows and columns Alignment Select rows, columns upper If columns If	
		_ rows 2	
		✓ Text Shortcut	
		Reset to standard Select graphic Additional functions	
		Alam display (F7)	
		Cancel dyn. measurement	
		Cancel subgroup	
		Characteristics Statistics	
		Delete measurement	
Type OK Canc	el Help	Delete subgroup	
Preview		Event	-
Value chart	Histogram	Select key combination	
Form sheet - Design 3	Form sheet - Design	Type OK Cancel Help hc	nizontal
he "Preview" window area is a compor	nent of the	Preview rt selection databe Trial prate measuring de Parts protocol frint standard repo Alarm	display

dialogue. It allows a preview of the summary of the individual configuration even before saving.

The dialogue "Configuration application bar" is called up via the following fixed icon in the "Graphical settings" of the active element.

Additional data inpu

rept. meas.

rept. subgr.

Ansicht 1

Sign out user

Cancel

×

If a configuration exists and the application bar is displayed, it can also be called up via the context menu of the application bar.

я	lest 9	19.991.3	0.0637	Pp = 1.83	Ppk = 1.72			
10	Test 10	64.916	1.109	C _p = 1.50	C _{pk} = 1.48			
Value chart Individuals								
Form sheet - Design 3						Form sheet - Design 4		
$ \Xi \mp $	王 ▲ ▲ -							



4.1 Display of the application bars

The basic display of the application bar is defined in these window areas.

Configuration application bar	× 3
Rows and columns	iment
Select rows, columns	upper
columns Image: Columns	lower left right
K Set	2
Trans sales I biogets	Address in some
type Int tank	vertical 4
Preview	
Value chart	Histogram
Form sheet - Design 3 Form s	sheet - Design 4

1 Graphic area "Alignment"

These options define the position of the application bar in an element. If the alignment "right" or "left" is selected, the height of the application bar is automatically adjusted to the height of the element. The width of the application bar is defined by the default width of the buttons (2). If the alignment is "upper" or "lower", the width of the application bar is automatically adapted to the width of an element, and the height is defined via the default height of the buttons (2).

2 Graphic area "Number and size of buttons"

The number of buttons available in the application bar is defined by the default settings under "Columns" and "Rows". The distance between the individual buttons within the application bar is configured via "Separator". The height or width of the buttons can be configured depending on the selected alignment.

3 Graphic area "Reduce number of buttons"

This function provides an assistant for reducing the buttons. When this function is called up, a grid is displayed according to the specifications under "Columns" and "Rows". The grid tiles selected with the mouse are taken over as defaults under "Columns" and "Rows".

4 The configuration of the number and arrangement of buttons within the application bar is done via "Horizontal" and "Vertical". In principle, the buttons are used to swap the settings under "Columns" and "Rows". For example, with one row and three columns, choosing "Vertical" arranges the buttons one below the other. With the selection "Horizontal" they are arranged next to each other.



4.2 Labelling of the buttons

In these window areas, the activation as well as the display of the button labelling is defined. The function designation (3) is automatically assigned to the buttons as the label content.

Configuration application bar	×	
Anna ad utana		
Display Text Solution	Configuration application bar ×	1
Туре	Alam display (F7) Cancel dyn. measurement Cancel subgroup Characteristics (F4) Characteristics Statistics Delete measurement Delete subgroup Characteristics Tables Delete subgroup Characteristics Tables Delete subgroup Characteristics Tables Characteristics Characteri	3
Value chart Form sheet - Design 3	Select key combination	4
	Preview selection database Trial (F8) rate measuring de Parts protocol (F5) t standard report Alarm display (F7) ditional data input (rept. meas. (F10) rept. subgr. (F11) Ansicht 1 Sign out user (F12) Cancel (Ctrl+X)	

"Text"
Enabling this option assigns the function designation (3) as label content to the buttons on the application bar.
"Shortcut" (extension to the "Text" option)
If the option "Text" is active, the additional activation of the option "Shortcut" will show the configured key combination as label content in addition to the function designation.
Assigning a key combination to a function to trigger the function via the keyboard is only available in the "Summary/input" elements. The option "Shortcut" has no effect in the elements "Graphics" and "Masks".
"Туре"
Opens the dialogue for adjusting the font, size, and colour.



4.3 Button function

In order to assign a function to a button, the required function must be listed in the function list (1). While the elements graphics and masks do not contain any entries in the standard delivery, the function list in the elements "Summary/input" contains the frequently used functions. The function list can be configured individually.

"Configuration application bar" dialogue for the graphic "Characteristics Statistics - Design 9" in qs-STAT.

Configuration application bar Rows and columns Select rows, columns columns	Alignment Upper lower left	× "(Configurat Summary/	ion application b input 1" window	ar" dialogue for the in procella.
rows 2 📥 Height	60 🌲 🔿 right	Configuration	application bar		×
Display Text Reset to standard Select	Shortcut graphic Additional functions	Rows and Columns	columns ct rows, columns	Separator 2 🐥	Alignment upper lower left
1		Display Text Rese	et to standard	Select graphic	t Additional functions
Туре ОК	Cancel Help		am display (F7) incel dyn. measurem incel subgroup iaracteristic (F4) iaracteristics Statistic slete measurement	ent :s	<u> </u>
Preview		. De	elete subgroup		
Value chart	Histogram	F	rent		v
Form sheet - Design 3	Form sheet - Design 4			Select key combination	
		Туре		ОК Са	ncei Help horizontal
		Preview		1	
		selection databa	se Trial (F8)	prate measuring de Parts protoco	ol (F5) it standard report (Alarm display (F7)

ditional data input (rept. meas. (F10) rept. subgr. (F11)

Ansicht 1

Sign out user (F12 Cancel (Ctrl+X)



4.3.1 Edit function list

The context menu of the function list and the following buttons are available for editing the function list.

Dialogue "Configuration application bar" for the graphic "Characteristics Statistics - Design 9" in qs-STAT.

Configuration application bar	×	"Configuration ap	plication bar" dia	alogue for the
Autoria alega	2 m	"Summary/input 1	I " window in pro	cella.
stee 1 2 Junio 1 2	0.00	Configuration application bar		>
	0.44	Annual states		100 m
(New York)		. Marries and		0.00
16 her 12 heres		- 1 1 1 1	ante E di	5 m
Reset to standard Select graphic	Additional functions		- N - 6	0-44
		Trailing .		
		10 Tes	and the second second	
		Reset to standard	Select graphic	Additional functions
		Alarm display (E7)		

"Reset to standard" button

Selecting this button resets the function list to the default defined in the application.

In the standard delivery there are no entries for the element's graphics and masks. Selecting "Reset to standard" would only lead to deleting the individually configured listing. Therefore, the button in the elements Graphics and Masks is greyed out.

For the elements "Summary/input", the standard delivery contains a listing of the frequently used functions. Selecting "Reset to standard" overwrites the individual listing with the standard listing. The listed standard functions may differ depending on the version used.

Button "Select graphic"

This button allows you to add functions to call up any qs-STAT graphic. Clicking on the "Select graphic" button opens the "Output point selection (list)" dialogue. Adding is done by drag & drop, i.e., by dragging the required graphic from the "Output point selection (list)" and dropping it into the function list. The designation and the function code combination needed to call up the graphic are added automatically.

Configuration application bar		×						
Rows and columns Select rows, columns	Alignment Oupper	b Output field selection (listing)						×
columns 2 📥 Separator 2 📥) left	Graphic selection	Field No.	Sub-number	Long text	Short text	Graphic	-
rows 2 💠 Height 60 🚖) right		3111	0	Actual value chart with automatical	Actual value chart v	₩¥	
Display Text Shortcut			3190	0	Chart of output points - Design 1	Chart of output point	$\overline{\mathbb{A}}$	
Reset to standard Select graphic	Additional functions	- - 8	3190	1	Chart of output points - Design 1	Chart of output point	$\overline{\mathbf{W}}$	
		-	3190	2	Chart of output points - Design 2	Chart of output poin	$\overline{\mathbb{W}}$	
l là		•						¥
					ОК	Cancel	Help	



"Additional functions" button

Opens the dialogue for adding a function and the function designation.

Features		× 1	
Function			
Group Number 0 0	Sub-number Additional number 0 0 Function scope	2 • Functions • Dialogues • Order molificator • General • Revisit • Window • Whole • Whole • Order molificator • Order molificator • Revisit • Window • Number of functions : 18 • Order	-
Text group Text key 0 0	Text subkey Singular/plural		Cancel Help
Edit text	982) New text Text from Database OK Cancel Help	5 4	

Various combinations of function codes are available in the Q-DAS applications for executing commands such as changing the database connections, opening a test plan, or to open another application. Each function code combination consists of an instruction block with four key elements. The most common combinations of function codes in the Q-DAS applications are described in a separate document.

Adding a function code combination can be done by manual input (1) or by selecting it from the "Function scope" dialogue (2).

If a function is added from the "Function scope" dialogue, the function designation is also automatically adopted. An individual specification of a function designation can be made by manually entering the text code combination (3), by adding new texts (4) or by selecting an entry from the text database (5).

Context menu of the function list

In addition to the possibility of adding new functions and viewing existing ones, the context menu allows functions to be removed from the listing.

Selecting "Delete" removes the previously marked function entries from the list. Multiple selections are made using the [CTRL] or [SHIFT] key and the left mouse button.



4.3.2 Function assignment

Assigning a function to a button or cancelling an assignment is done via the window areas "Function list" (1) and "Preview" (2).

"Configuration application bar" dialogue for the graphic "Characteristics Statistics - Design 9" in qs-STAT.

Configuration application bar Rows and columns Alignment Select rows, columns upper columns ♣ Separator 2 ♣ rows 2 ♣ Height 60 ♣ oright	 The application bar from the standard delivery is customised. By increasing the number of columns to three, two more buttons are made available.
Display Image: Display	The function list is extended by the function code combinations for calling up three additional graphics.
Actual value chart with automatically deleted outliers Deviation from target value Image: Comparison of the second secon	1
Type OK Cancel Help vertic	a
Value chart Histogram Form sheet - Design 3 Form sheet - Design 4	2

A function is assigned to a button by use of drag & drop. This is done by dragging the required function from the list to a free button in the "Preview" window area.

To assign the function code combination for calling up the "Deviation from target value" graphic to a free button.

	Reset to standard	Select graphic	Addit	tional functions	3
de.	Actual value chart with	automatically deleted outliers			
No.	Deviation from target va	lue			
NV.	I olerance capacity		1		
			_		
			_		
			-		
Туре		OK Cancel	Не	lp V	vertical
Type		OK Cancel	Не	lp v	vertica
Type	Value chart	OK Cancel Histogram	Не	lp \	vertica

Within an element, a function can only be assigned to one button. If a function is assigned to a button, the function is removed from the function listing.

	Reset to standard	Select graphic	Additional functions
de.	Actual value chart with a	automatically deleted outliers	
No.	Tolerance capacity		
Туре		OK Cancel	Help vertical
Preview			
	Value chart	Histogram	Deviation from target value
Form	n sheet - Design 3	Form sheet - Design 4	



If a button already has a function assignment, the function code combinations are swapped between the window areas "Function list" and "Preview".

Function code combination for calling up the "Tolerance capacity" graphic is swapped with the button for calling up the "Histogram" graphic.

Heset to standard	Select graphic	Additional functions
Actual value chart with	h automatically deleted outliers	
Tolerance capacity		
-		
Туре	OK Cancel	Help vertic
Type	OK Cancel	Help vertic
Type 2view Value chart	OK Cancel	Help vertic

After the swap, the function for calling up the "Histogram" graphic is available for a new assignment.

Headt to atchiddra	Select graphic	Additional functions
Actual value chart with	automatically deleted outliers	
Histogram Individuals		
Туре	OK Cancel	Help vertica
Type	OK Cancel	Help vertice
Type	OK Cancel	Help vertica

Removing the function assignment of a button is also done by drag & drop. To remove, the content of the required button is dragged from the "Preview" window area and dropped into the "Function listing" window area.

F	Reset t	o standard	Select graphic	Additional functions
<u></u>	Actu	al value chart with a	utomatically deleted outliers	
	Histo	gram Individuals		
		12		
		<u> </u>		
	1			
Туре			OK Cancel	Help vertical
Preview				
	Value	chart	Tolerance capacity	Deviation from target value
Form	n sheet	- Design 3	Form sheet - Design 4	

After the assignment has been removed, the function for calling up the graphic "Form sheet - Design 3" as well as the button itself are available for a new assignment.

F	Reset to standard	Select graphic	Additional functions
de.	Actual value chart with a	automatically deleted outliers	
=	Form sheet - Design 3		
I A	Histogram individuals		
Туре		OK Cancel	Help vertical
eview			
	Value chart	Tolerance capacity	Deviation from target value
		Form sheet - Design 4	

4.3.3 Assign key combination to function

In the "Summary/input" elements, it is also possible to trigger a function via the keyboard. For this purpose, a shortcut key is assigned to a function.

Configuration application bar	X Keyboard control X
Non-sectors Non-sectors Dest-sectors 0 Dest-sectors 0	Shortcut key none allocate
Display Image: Text Image: Shortcut	Alam display (F7) Alam display (F7) Calibrate measuring device Cancel (Crl+X) Cancel dyn. measurement Cancel subgroup Characteristic (F4) Characteristic Statistice
Alarm display (F7) Cancel dyn. measurement Cancel subgroup Characteristic (F4)	Delete marks durated Delete subgroup Event Execute Q-DAS script Goto Open Part selection (E2)
Characteristics Statistics Delete measurement Delete subgroup Event	Deactivate key combination for functions not in use Trigger measurement through space key
Select key combination	OK Cancel Help
Preview selection database Trial (F8) rate measuring de Parts protocol (F5) t standard report Alarm display dtional data input (rept. meas. (F10) rept. subgr. (F11) Ansicht 1 Sign out user (F12) Cancel (Ctri-	3

Clicking on the "Select graphic" button opens the "Keyboard control" dialogue. All functions available in the "Configuration application bar" dialogue are listed (1). The shortcut key can only be used for functions that are assigned to a button, i.e., the functions from the "Preview" window area in the "Configuration application bar" dialogue (3).

To assign a shortcut key to a function, first mark the required function in the list (1) and select the required shortcut key (2). The assignment is completed after clicking on the "Allocate" button (2).

The option "Deactivate key combination for functions not in use" no longer has any meaning, as in the meantime only those functions can be executed which are assigned to a button in the application bar.

Provided that measurement value recording is configured via an Interface, the option "Trigger measurement through space key" enables triggering a measurement via the space key, even if the "Measurement" function is not assigned to a button.



4.4 Saving the configuration of the application bar

The display, the function listing, the key combinations, and the assignment of the functions to the buttons, in principle all configurations in the "Configuration application bar" dialogue, belong to the active element. To permanently save the control bar configuration, it is necessary to save the element, the qs-STAT graphic or the "Summary/input" window. Saving and distribution follow the inheritance of the configuration management.

4.5 Same application bars for different characteristic types

The option "Save button bar and info-elements for the characteristic type" defines whether the info-bars (top / middle / bottom) shown in the "Summary/input" window and the application bar are saved for each characteristic type. This means that whenever changes are made to the info bars or the application bar, the configuration must be modified and saved for each characteristic type.

When different characteristic types are recorded, but the content of the application bar and the info elements is the same for all characteristics, a more efficient configuration is achieved by deactivating this option.

The option "Save button bar and info-elements for the characteristic type" can be found in the menu group "Summary/input" in the dialogue "Setup data recording".

(Setup data recording	g				_		×
	Test plan configuration		Preview of template					
	→ procella	[Save	.	Summary/input			
			Repeat measurements		Bar			
			Measurement finalization		Bar			
			Close test plan		Other settings			
			Inspection interval		Synchronize summary/input with procedure control Delete input record after input error			
			Limit infringements		Delete input when repeating the measurement 500 DLL start delay			
			Interface		Close data set on dosing the Summary/Input window?			
			Summary/input		Application bar			
			Measure inspection lots	Ŧ	\checkmark Save button bar and info-elements for the characteristic type			
	Standard Defa	aul	t		OK Cancel		Help	



5 Functions in the "Summary/input" element - Standard

The following describes the frequently used standard functions in the "Summary/input" window of the Q-DAS application procella.

5.1 Functions for loading data sets

Function	Description
Open file	Call up the "Open file" dialogue.
Read from database	Calling up the dialogue "Read from database".
Quick filter	Call up the dialogue for loading the saved quick filters.
Part selection	Call up the "Part selection" dialogue.
Part selection database	Call up the "Part selection database" dialogue.

5.2 Basic handling functions

Function	Description
Save	All changes to the open data set are saved.
Sign out user	Closes the data set and logs off the current user. If there are unsaved changes to the data set, the user receives a corresponding prompt. The "Change user" dialogue is displayed. If no other user is logged in, it is then only possible to exit the Q-DAS application.
Cancel	Closes the data set and closes the Q-DAS application. If changes are not saved to the data set, the user receives a corresponding query.
Evaluation	This function can only be used in the O-QIS procella application. It is used for a preliminary insight into the quality control charts (QRKs) in case of occurring alarms. When executed, the quality control charts are recalculated.



5.3 Functions for changing the view levels in the "Summary/input" windows

To switch view layers manually within a "Summary/input" window, the names of the view layer are listed as function names.

Each "Summary/input" window can consist of two view layers. A main layer and one or more sub-layers. Each view layer with the activated setting "View not depending on data" is listed as a callable function. The function name corresponds to the view name. In the standard delivery, the view designations are in German, e.g., "Ansicht 1".

The listing of functions for changing the view layers within a "Summary/input" window is therefore dynamic.

In the standard delivery, the "Summary/input 1" window contains various preconfigured views. The view layer "Attributive" and "Ordinal" depend on data and are therefore not included in the function list.



Window configuration

Function list



5.4 Functions related to data recording

5.4.1 Basic functions for recording the measured values

In the following, the functions marked with (1) have a reference to the measurement quantity defined in the data recording. Depending on the selected function, this can be a measurement, subgroup, subgroup inspection or subgroup cycle. The execution of the function is unaffected by the measurement direction.

Function	Description
Input help	The operating aid for entering measured values. The dialogue represents a virtual numeric keypad and thus enables the input of the measured value, e.g., with a touchscreen.
Cancel single measured value	Within a measurement, the recording of the current measured value is skipped. In this case, the measured value "0" is recorded for variable characteristics and "0 error" for discrete characteristics. In addition, the automatically recorded measured values are marked with the attribute "255". The procedure control jumps to the next measured value to be recorded.
Characteristics	Calling up the "Characteristic selection" dialogue. The dialogue provides an overview of all parts and characteristics of the loaded data set in a tree structure. Switching to the desired characteristic is done with a double click.
Reset measurement procedure	The stored position of the procedure control is reset to the start of measurement. The input memory is thus deleted.
Measurement	If characteristics are recorded via the RS232 interface, this function is used to trigger measurement value recording.
Cancel measurement (1)	This function skips the values of a measurement that have not been recorded. The function can be executed even if an incomplete measurement is not allowed.
	The values that have not been recorded remain empty but are marked with the attribute "255". The procedure control jumps to the next measurement to be recorded.
Delete measurement (1)	Deletes permanently all measured values of the last recorded measurement. After deletion, the jump to the previously recorded measurement takes place. This means that it is also possible to delete this measurement.
Accept measurement	This function is a manual measurement acceptance. The "Accept measurement" function can only be used with the "Confirm measurement finalization" option activated. The actual behaviour, e.g., filling up measured values that have not been recorded, is defined via the options of the "Measurement finalization" menu group in the "Setup data recording" dialogue.
	This function is only to be used for data sets with horizontal measurement procedure, for measurement value recording per test object.



Function	Description
Rept. meas. (1)	To trigger a repeat measurement manually. The behaviour and handling of already recorded measured values is defined in the "Repeat measurements" menu group in the "Setup data recording" dialogue.
Cancel subgroup (1)	This function skips the values of a subgroup that have not been recorded.
	The unrecorded values remain empty but are marked with the attribute "255". The procedure control jumps to the next subgroup to be recorded.
Delete subgroup (1)	Deletes permanently all measured values of the last recorded subgroup. After deletion, a jump to the previously recorded subgroup takes place. This means that it is also possible to delete this subgroup.
rept. Subgr. (1)	Triggers a new recording of the last subgroup or of a subgroup that has been started.
	The behaviour and handling for already recorded values is defined in the "Repeat measurements" menu group in the "Setup data recording" dialogue.
Cancel subgroup inspection (1)	This function skips the values of a subgroup inspection that have not been recorded. The function can be executed even if an incomplete measurement is not allowed.
	The values that have not been recorded remain empty but are marked with the attribute "255". The procedure control jumps to the next subgroup inspection to be recorded.
Delete subgroup inspection (1)	Deletes permanently all measured values of the last recorded subgroup inspection. After deletion, the jump to the previously recorded subgroup inspection takes place. This means that it is also possible to delete this subgroup inspection.
Rep. subgroup inspection (1)	Triggers a new recording of the last subgroup inspection or of a subgroup inspection that has been started.
	The behaviour and handling for already recorded values is defined in the "Repeat measurements" menu group in the "Setup data recording" dialogue.
Rep. subgroup cycle (1)	Triggers a new recording of the last subgroup cycle or a started subgroup cycle. The behaviour and handling for already recorded values is defined in the "Repeat measurements" menu group in the "Setup data recording" dialogue.



5.4.2 Additional information on the measured value or measurement

Function	Description
Alarm display	Manual call of the "Alarm display" dialogue.
Event	Manual call of the dialogue for entering events, measures, and causes.
Additional data input	Manual call of the "Record additional data" dialogue. The entered additional data is added to the subsequent recorded values.
Save additional data of last measurement	Manual call the "Record additional data" dialogue. The additional data is added to the last recorded measurement.

5.4.3 Data recording during a special measurement

To start a special measurement manually, it is necessary to assign the required special measurement to the application bar of the "Summary/input" window. Each configured special measurement is listed as a possible function to be called up. The name of the configuration of a special measurement corresponds to the listed function name.

Five configurations of the special measurement are included in the standard delivery. These are created when the "Special measurements" dialogue is called up for the first time.

Dialogue for configuring the special measurements

Special measurements		×	Functio	n list
Special measurement 1 Special measurement 2 Special measurement 3 Special measurement 4 Special measurement 5	Options Q-DAS scripts Description Special measurement 1 End of special measurement description	Reset to sta	ndard	Select graphic
		Sign out user (F12)		
		Special m	easurement 1	
		Special m	easurement 2	
		Special m	easurement 4	
	0	Special m Trial (F8)	easurement 5	
				Select key combination
		Туре		OK Cancel

Function	Description
Repeat special measurement	Triggers a new recording of the last recorded special measurement in the currently loaded data set. The behaviour and handling of the already recorded values is defined in the "Repeat measurements" menu group in the "Setup data recording" dialogue.



5.5 Functions for calling up the Q-DAS graphics

In the standard delivery, few functions for calling up the Q-DAS graphics are preconfigured. However, any Q-DAS graphic can be added to the function list via the "Other functions" button.

Function	Description
Characteristics Statistics	Manual call of the "Characteristics Statistics - Design 1" graphic.
Parts protocol	Manual call of the "Parts protocol" (graphic number 7410/1) graphic.

5.6 Functions related to report creation

With the following functions, reports can be created for the loaded data pool.

Function	Description
Report preview	Screen output according to the selected report template. The report selection dialogue appears. After manually selecting a report, the report view is displayed within the Q-DAS application.
Print report	Printer output according to the selected report template. The report selection dialogue is displayed. After manually selecting a report, it is printed on the standard printer.
Sign report	The report selection dialogue is displayed. After manually selecting a report, the dialogue for signing the report is called up.
Show standard report	Screen output of the report template defined as standard. Under <i>File</i> <i>Configuration</i> <i>Paths, a</i> report template can be defined as the default. If no report template is defined as the default, the report selection dialogue is displayed.
Print standard Report	The report template defined as default is printed on the defined default printer.



5.7 Functions for execute the Q-DAS scripts and external files

Function	Description
Q-DAS script	Execute Q-DAS script Execute the Q-DAS script that is stored in the "External Files" dialogue. According to the configuration, the function name can be replaced by the script designation.
Execute external file	 Open a file Enables the opening of an external file or the execution of a command file which is stored in the "External Files" dialogue. According to the configuration, the function name can be replaced by the file designation. Open external file The configured file is opened with the Windows linked standard application. Executing a command file If the use of a Windows script is required, this is to be worked out in a workshop with the Q-DAS project team, for which a fee is charged. Contact e-mail: info adas mi@hexacon.com