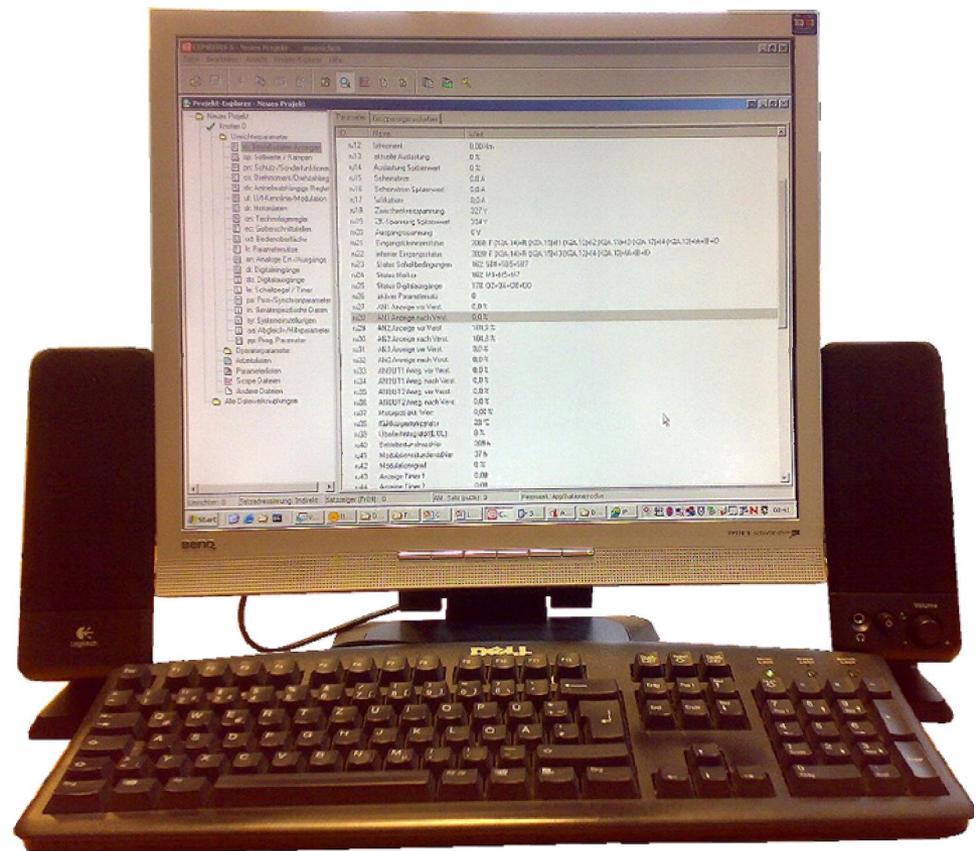


KEB COMBIVIS



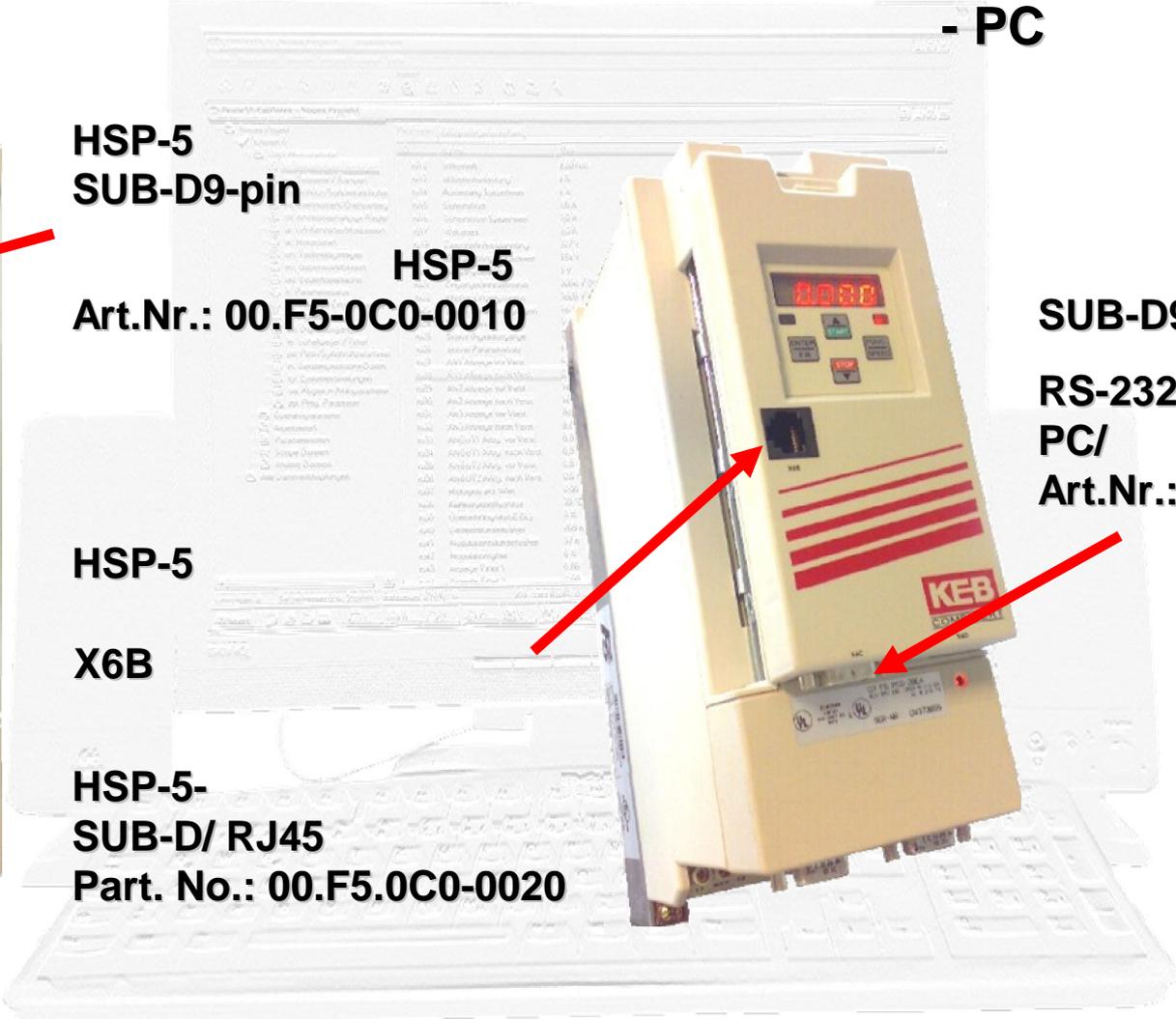


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- PC



**HSP-5
SUB-D9-pin**
Art.Nr.: 00.F5-0C0-0010

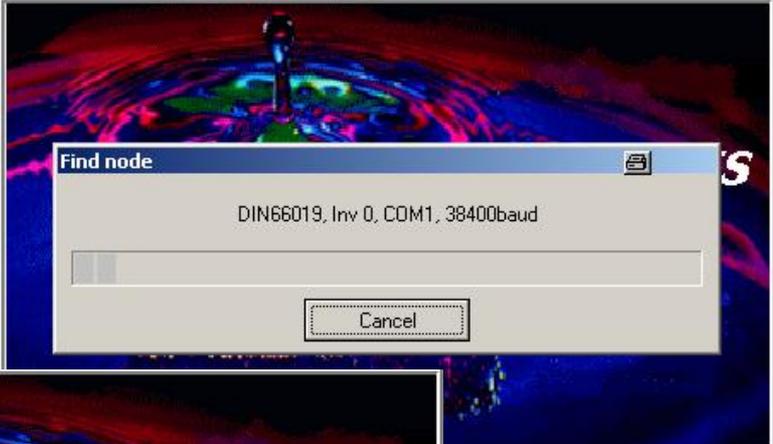


**HSP-5
X6B**

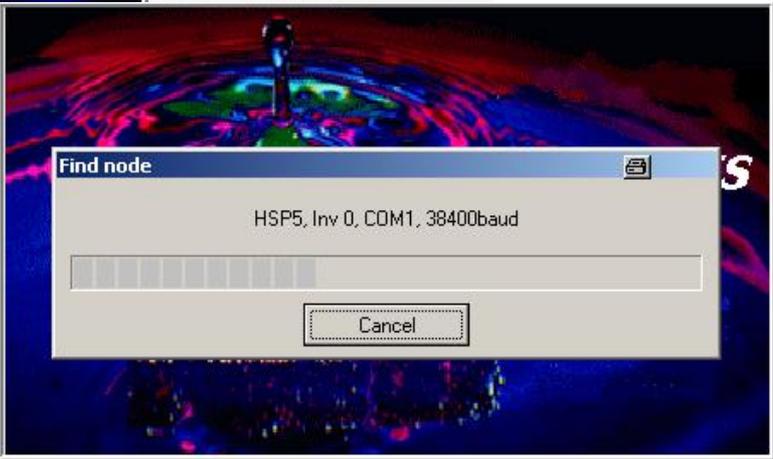
**HSP-5-
SUB-D/ RJ45**
Part. No.: 00.F5.0C0-0020



SUB-D9-pin X6C
**RS-232
PC/**
Art.Nr.:00.58.025-001D

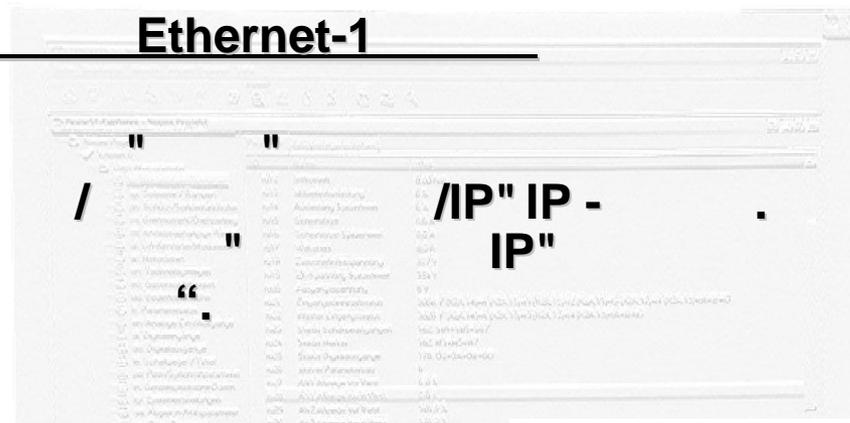


Building new project



Building new project

Ethernet-1



Configuration

Default project	Common	Parameter text	DIN 66019
HSP5	IP	CAN	Profibus

Host:

Port:

Time-out-value(ms):

TCP

UDP

Driver info

OK Cancel

Configuration

HSP5	IP	CAN	Profibus
Default project	Common	Parameter text	DIN 66019

Protocols:

DIN 66019 Interbus CAN

HSP5 IP Profibus

Address range:

Min. Addr.: Max. Addr.:

Control interval:

Interval:

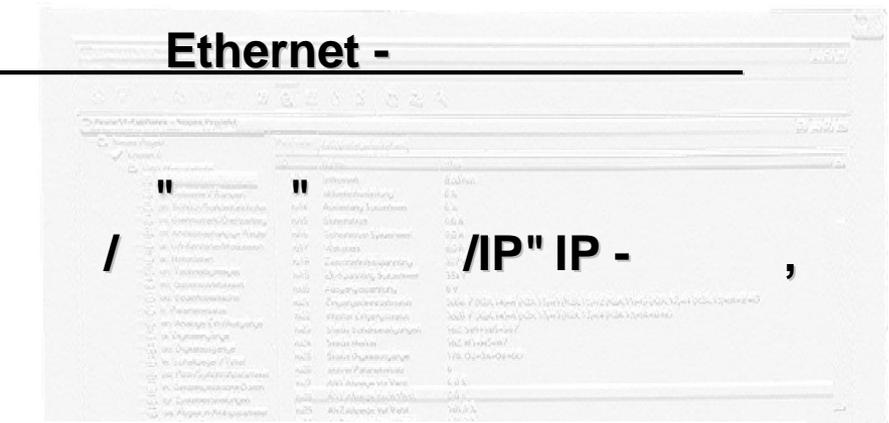
OK Cancel

Ethernet -

“
/ ,255“.

IP" IP - ,

:



Configuration

Default project	Common	Parameter text	DIN 66019
HSP5	IP	CAN	Profibus

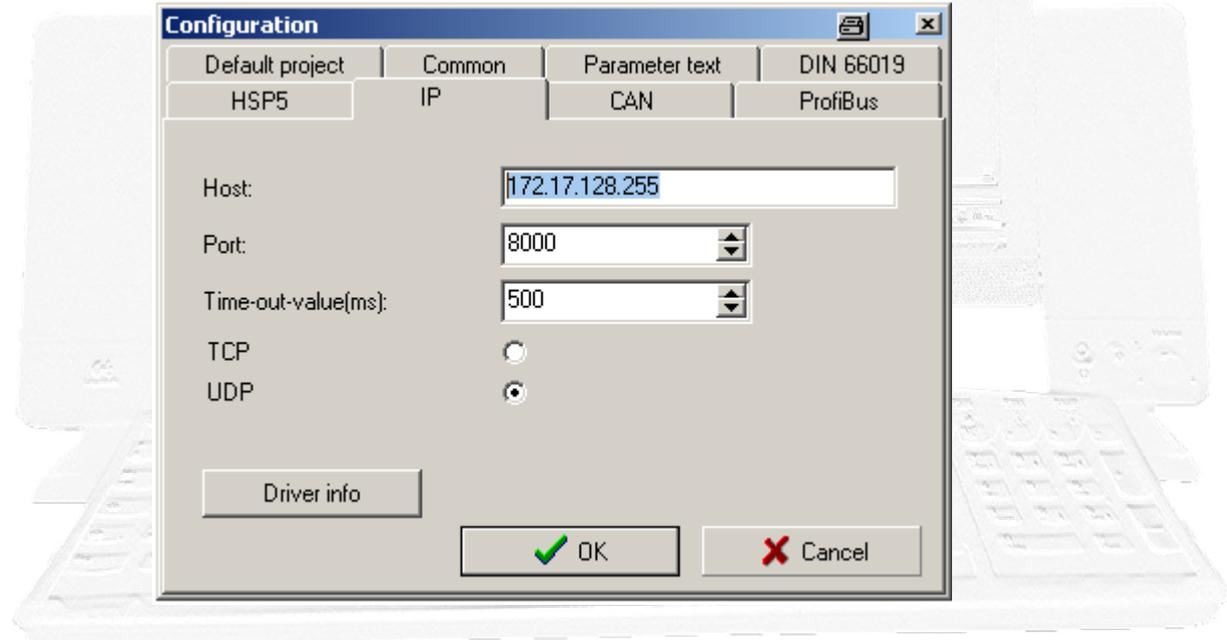
Host:

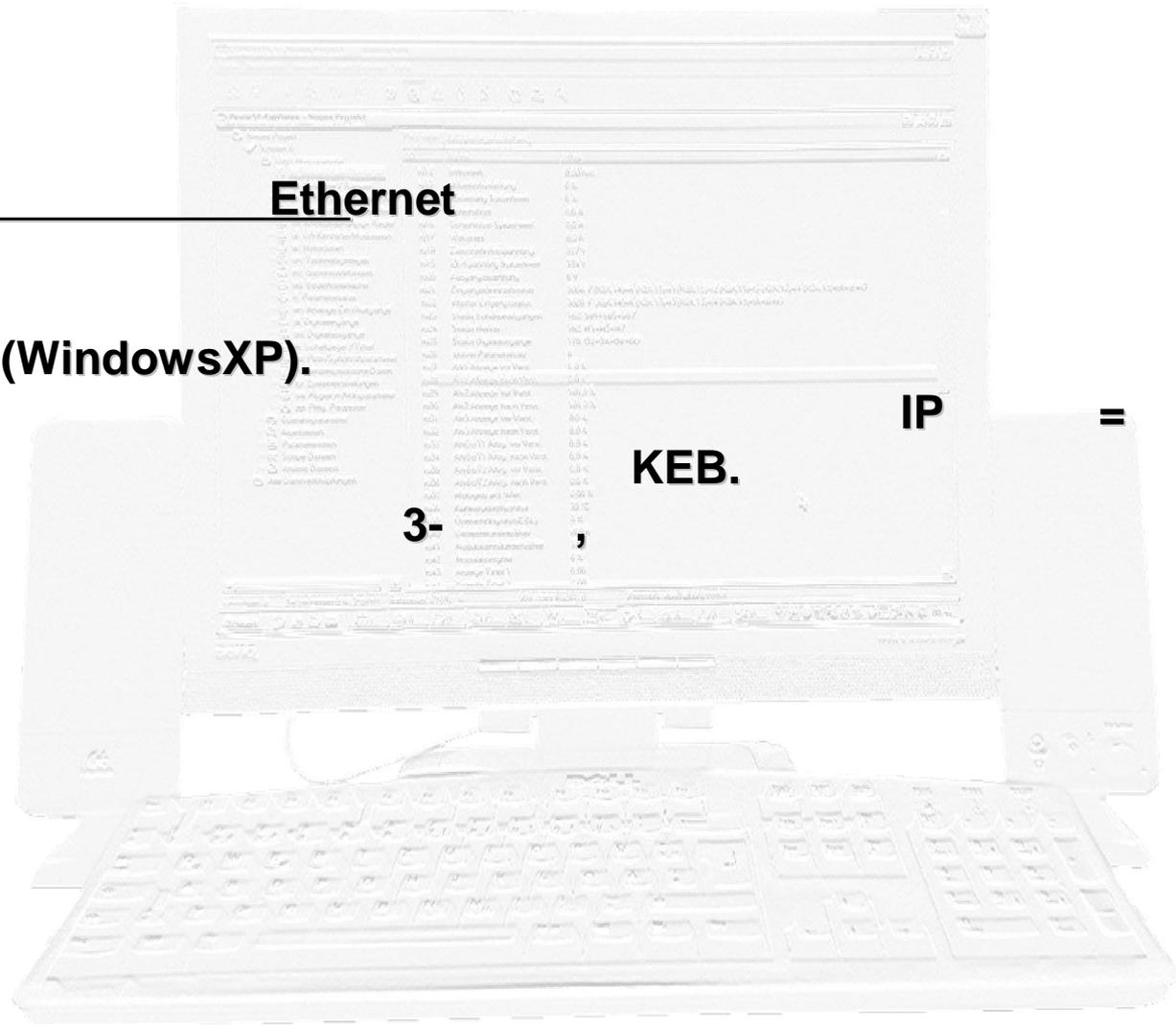
Port:

Time-out-value(ms):

TCP

UDP





Ethernet

(WindowsXP).

IP

=

KEB.

3-



Project explorer (1)

The screenshot shows the KEB COMBIVIS 5 software interface. On the left, the 'Project-explorer' shows a tree structure under 'Node 0' with an 'Inverter parameter' folder expanded. A red arrow points from this folder to the 'Parameter list' table on the right. The table contains 28 rows of parameters with columns for ID, Name, and Value. A second red arrow points from the 'ru00' row in the table to the 'ru00' parameter in the project explorer.

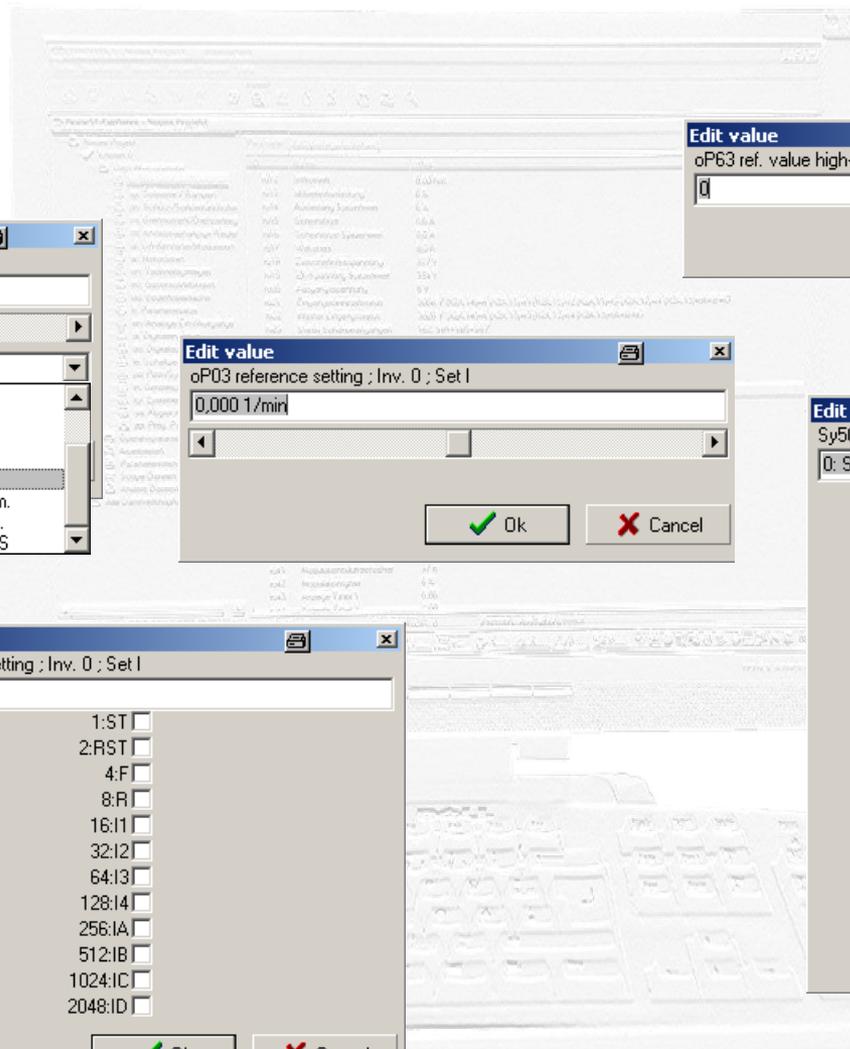
ID:	Name:	Value:
ru00	inverter state	0: no operation
ru01	set value display	0,000 1/min
ru02	ramp output display	0,000 1/min
ru03	actual frequency display	0,0000 Hz
ru06	calculated act. value	0,000 1/min
ru07	actual value display	0,000 1/min
ru09	encoder 1 speed	0,000 1/min
ru10	encoder 2 speed	0,000 1/min
ru11	set torque display	0,00 Nm
ru12	actual torque display	0,00 Nm
ru13	actual utilization	0 %
ru14	peak utilization	40 %
ru15	apparent current	0,0 A
ru16	peak apparent current	1,6 A
ru17	active current	0,0 A
ru18	actual DC voltage	321 V
ru19	peak DC voltage	330 V
ru20	output voltage	0 V
ru21	input terminal state	0: no input
ru22	internal input state	0: no input
ru23	output condition state	2: C1
ru24	state of output flags	2: F1
ru25	output terminal state	2: O2
ru26	active parameter set	0
ru27	AN1 pre amplifier disp.	0,0 %

At the bottom of the window, there is a status bar with the following information: Inverter: 0 | Set adr. mode: Indirect | Set pointer (Fr09): 0 | Act. set (ru26): 0 | Password: application password

The screenshot shows the KEB COMBIVIS 5 software interface. The main window is titled "KEB COMBIVIS 5 - New project :muenchen". Below the menu bar is a toolbar with various icons. The "Project-explorer - New project" window is open, showing a tree view of parameters under "Node 0". The "Parameter list" window is also open, displaying a table of parameters. The parameter "oP21" is selected, and its value "100,000 1/min" is being edited in the "Edit value" dialog box. Two red arrows point from the "Edit value" dialog box to the "oP21" row in the parameter list and to the "Edit value" dialog box itself.

ID:	Name:	Value:
▶ oP10	max. reference forward	2100,000 1/min
▶ oP11	max. reference reverse	-1: = forward parameter
▶ oP14	abs. max. reference for	4000,000 1/min
▶ oP15	abs. max. reference rev	-1: = forward parameter
▶ oP18	step value rot. source	7: reference, no LS
▶ oP19	step value input sel. 1	16: I1
▶ oP20	step value input sel. 2	32: I2
▶ oP21	step value 1	100,000 1/min
▶ oP22	step value 2	-100,000 1/min
▶ oP23	step value 3	0,000 1/min
▶ oP27	acc dec mode	0: FACC con
▶ oP28	acc. time for.	2,00 s
▶ oP29	acc. time rev.	-1: = forward
▶ oP30	dec. time for.	2,00 s
▶ oP31	dec. time rev.	-1: = forward
▶ oP32	s-curve time acc. for.	1,00 s
▶ oP33	s-curve time acc. rev.	-1: = forward
▶ oP34	s-curve time dec. for.	-1: = acc. parameter
▶ oP35	s-curve time dec. rev.	-1: = forward parameter

Edit value
oP21 step value 1 ; Inv. 0 ; Set I
100,000 1/min
Ok Cancel



Edit value
oP01 rotation source ; Inv. 0 ; Set I

7: reference, no LS

rotation source

- 7:reference, no LS
- 3:FOR/REV, abs.
- 4:RUN/STOP, 0-lim.
- 5:RUN/STOP, abs.
- 6:reference, LS
- 7:reference, no LS
- 8:ctrl.word(sy.50), 0-lim.
- 9:ctrl.word(sy.50), abs.
- 10:ref.,ctrl.w(sy.50)R/S

Edit value
oP63 ref. value high-res ; Inv. 0 ; Set I

0

Ok Cancel

Edit value
oP03 reference setting ; Inv. 0 ; Set I

0,000 1/min

Ok Cancel

Edit value
Sy50 control word (low) ; Inv. 0 ; Set I

0: STOP+FOR+set 0+off

1:ST

2:RST

RUN/STOP 0:STOP

FOR/REV 0:FOR

set number 0:set 0

128:reserved

256:quick stop on/off

512:ref start

1024:start posi

2048:abort

mode 0:off

16384:reserved

32768:reserved

Ok Cancel

Edit value
di02 digital input setting ; Inv. 0 ; Set I

0: no input

1:ST

2:RST

4:F

8:R

16:I1

32:I2

64:I3

128:I4

256:IA

512:IB

1024:IC

2048:ID

Ok Cancel



KEB COMBIVIS 5 - New project :munchen

File Edit View Project-explorer Help

Project-explorer - New project

New project

- Node 0
 - Inverter parameter
 - ru: run parameter
 - op: operational parameter
 - pn: protection parameter
 - cs: control speed parameter
 - ds: drive spec. control para
 - uf: u/f parameter
 - dr: drive parameter
 - cn: control parameter
 - ec: encoder parameter
 - ud: user definition para.
 - fr: free programmable para.
 - an: analog I/O parameter
 - di: digital input parameter
 - do: digital output parameter
 - le: level parameter
 - ps: pos/syn parameter
 - in: information parameter
 - sy: system parameter
 - aa: adjustment assist. para.
 - pp: prog. parameter
 - Operator parameter
 - Work lists
 - Download lists
 - Scope files
 - Additional files
 - All linked files

Parameter list | Group properties

ID:	Name:	Value:
▶ oP00	reference source	5: set speed value [sy.52]
▶ oP01	rotation source	7: reference, no LS
▶ oP02	rotation setting	0: low speed
▶ oP03	reference setting	0,000 1/min
▶ oP05	reference setting %	0,0 %
▶ oP06	min. reference forward	0,000 1/min
▼ oP07	min. reference reverse	-1: = forward parameter
	Set 0	-1: = forward parameter
	Set 1	-1: = forward parameter
	Set 2	-1: = forward parameter
	Set 3	-1: = forward parameter
	Set 4	-1: = forward parameter
	Set 5	-1: = forward parameter
	Set 6	-1: = forward parameter
	Set 7	-1: = forward parameter
▶ oP10	max. reference forward	2100,000 1/min
▶ oP11	max. reference reverse	-1: = forward parameter
▶ oP14	abs. max. reference for	4000,000 1/min
▶ oP15	abs. max. reference rev	-1: = forward parameter
▶ oP18	step value rot. source	7: reference, no LS
oP19	step value input sel. 1	16: I1
oP20	step value input sel. 2	32: I2
▶ oP21	step value 1	100,000 1/min
▶ oP22	step value 2	-100,000 1/min
▶ oP23	step value 3	0,000 1/min
▶ oP27	acc dec mode	0: FACC const. ramp+FDEC const. ramp+RACC const. ramp+RDEC const. ramp
▶ oP28	acc. time for	2.00 s

Edit value

oP07 min. reference reverse ; Inv. 0 ; Set 1

100,000 1/min

= forward parameter

Ok Cancel

Inverter: 0 Set adr. mode: Indirect Set pointer (FR09): 0 Act. set (ru26): 0 Password: application password



Fr.09

The screenshot shows the KEB COMBIVIS 5 software interface. The main window displays a parameter list with the following data:

ID	Name	Value
Fr01	copy parameter set	0
Fr02	parameter set source	0: off (set 0)
Fr03	parameter set lock	0: no set
Fr04	parameter set setting	0
Fr05	set activation delay	0,00 s
Fr06	set deactivation delay	0,00 s
Fr07	paraset input sel.	0: no input
Fr08	motor set classification	0
Fr09	indirect set pointer	2
Fr10	load mot. dependent para.	0: done
Fr11	reset set input sel.	0: no input
Fr12	set change mode mod.on	2: paraset enabled

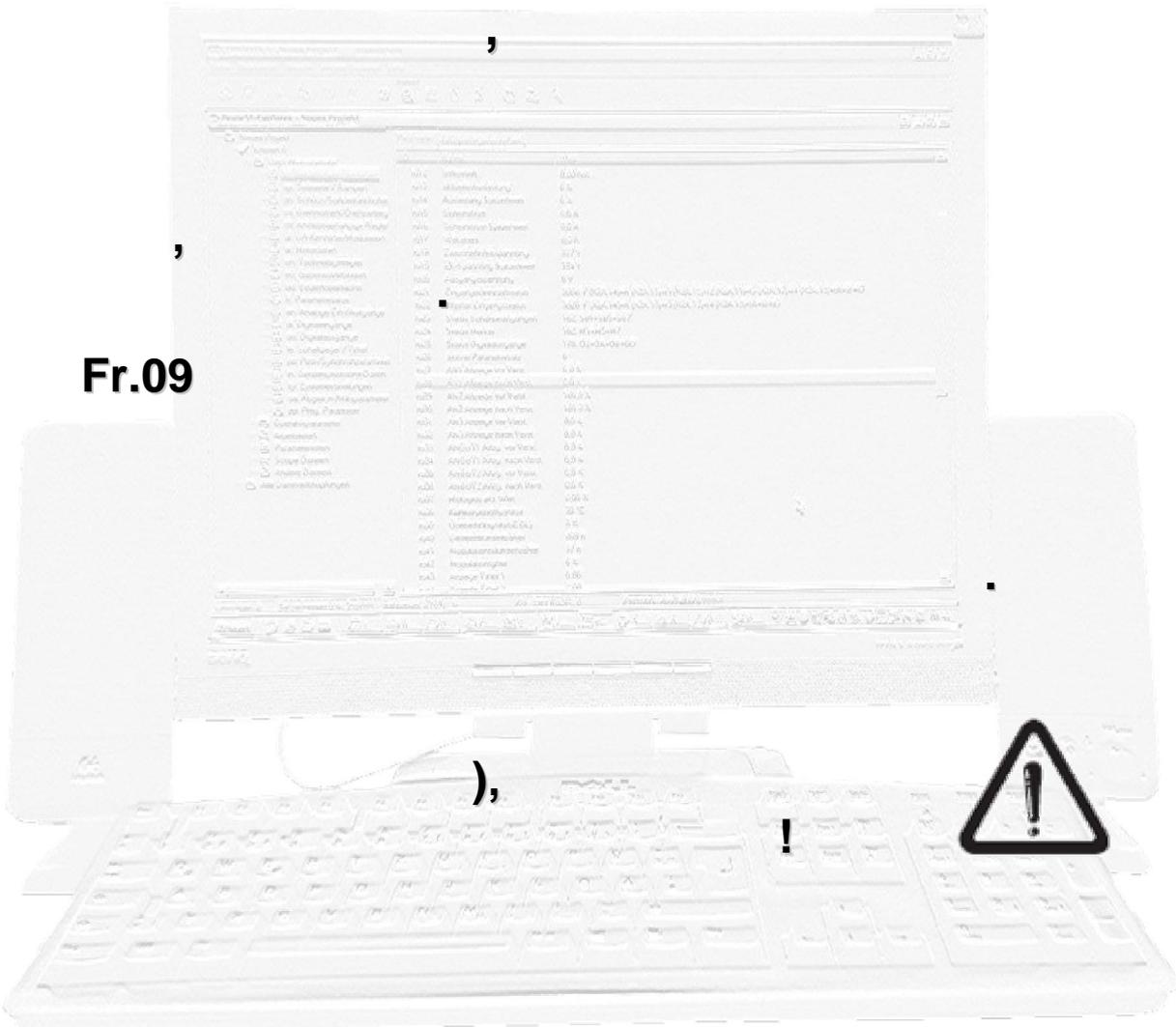
An "Edit value" dialog box is open for Fr09, showing the current value of 2 and a dropdown menu for "active set" set to "-1". A green arrow points from the key icon in the toolbar to the dialog box. A red dashed circle highlights the status bar at the bottom, which shows "Set pointer (Fr09): 2".

A second screenshot below shows the same interface after the value has been changed to 0. The status bar now shows "Set pointer (Fr09): 0". A red dashed circle highlights this updated status bar.

Fr.09

• Fr.09

Fr.09







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The screenshot shows the KEB COMBIVIS 5 software interface. The main window is titled "COMBIVIS 5 - New project :munchen". The menu bar includes File, Edit, View, Windows, and Help. The toolbar contains several icons, with a green dashed circle highlighting the "New Worklist" icon. A green arrow points from this icon to a "New Worklist1" dialog box that is open in the foreground.

The "New Worklist1" dialog box has a table with the following columns: Inv., Addr., Set, Id., Name, Value, and Remarks. The table is currently empty.

The background window shows a "Parameter list" table with the following columns: ID, Name, and Value.

ID	Name	Value
oP00	reference source	0: analog REF
oP01	rotation source	7: reference, no LS
oP02	rotation setting	0: low speed
oP03	reference setting	0,000 1/min
oP05	reference setting %	0,0 %
oP06	min. reference forward	0,000 1/min
oP07	min. reference reverse	-1
oP10	max. reference forward	2
oP11	max. reference reverse	-1
oP14	abs. max. reference for	4
oP15	abs. max. reference rev	-1
oP18	step value rot. source	7:
oP19	step value input sel. 1	11
oP20	step value input sel. 2	3:
oP21	step value 1	11
oP22	step value 2	-1
oP23	step value 3	0:
oP27	acc dec mode	0:
oP28	acc. time for.	5:
oP29	acc. time rev.	-1
oP30	dec. time for.	5:
oP31	dec. time rev.	-1
oP32	s-curve time acc. for.	0:
oP33	s-curve time acc. rev.	-1
oP34	s-curve time dec. for.	-1
oP35	s-curve time dec. rev.	-1: = forward parameter

At the bottom of the interface, there is a status bar with the following information: Inverter: 0, Set adr. mode: Indirect, Set pointer (Fr09): 0, Act. set (ru26): 0, Password: application password.

D:\Präsentationen\Schulung\Worklist Start-Up.wr5

Worklist for startup of a stacker crane

Inv.	Addr.	Set	Id.	Name	Value	Remarks
0	1000h	I	Ec00	encoder 1 interface	13: Incremental In E...	Input of motor encoder parameters
0	1001h	I	Ec01	encoder 1 (inc/r)	No Answer	
0	1003h	I	Ec03	time 1 for speed calc.	3: 4 ms	
0	1006h	I	Ec06	enc.1 rotation	0: not invers+off	
0	1007h	I	Ec07	enc.1 trigger/mult.	2: 4 times	
0	100Ah	I	Ec10	encoder 2 interface	2: Incremental Out	Input of position
0	100Bh	I	Ec11	encoder 2 (inc/r)	2500: 2500 inc	
0	100Dh	I	Ec13	time 2 for speed calc.	3: 4 ms	
0	100Eh	I	Ec14	gear 2 numerator	1000	
0	100Fh	I	Ec15	gear 2 determinator	1000	
0	1010h	I	Ec16	enc.2 rotation	0: not invers+off	
0	1011h	I	Ec17	enc.2 trigger/mult.	2: 4 times	
0	1015h	I	Ec21	SSI multiturm res.	12	
0	1016h	I	Ec22	SSI clock frq. sel.	0: 156,25 kHz	
0	1017h	I	Ec23	SSI data code	1: gray	
0	1018h	I	Ec24	SSI power failure bit	0: off	

Edit value F3

Edit set F4

Edit remark F5

Edit Parameter F6

Edit node addr. F2

Insert blank line F7

Save worklist Strg+S

Save worklist as

Add worklist to project

Cut Strg+X

Copy Strg+C

Paste Strg+V

Delete Entf

Mark all Strg+A

Reset column width

()

Worklist for startup of a stacker crane

Inv.	Addr.	Set	Id.	Name	Value	Remarks
0	0600h	I	dr00	DASM rated current	3,6 A	Input of motor data (name plate)
0	0601h	I	dr01	DASM rated speed	1400 1/min	
0	0602h	I	dr02	DASM rated voltage	230 V	
0	0603h	I	dr03	DASM rated power	0,75 kW	
0	0604h	I	dr04	DASM rated cos(phi)	0,73	
0	0605h	I	dr05	DASM rated frequency	50,0 Hz	
0	0606h	I	dr06	DASM stator resistance	5,400 Ohm	
0	0607h	I	dr07	DASM sigma-inductance	13,50 mH	
0	0608h	I	dr08	DASM rotor resistance	6,933 Ohm	
0	060Ah	I	dr10	DASM head-inductance	314,0 mH	
0	060Eh	I	dr14	DASM rated torque	5,11 Nm	
0	060Fh	I	dr15	max torque FU	11,49 Nm	
0	0610h	I	dr16	DASM max torque com. sp	7,66 Nm	
0	0611h	I	dr17	DASM speed for max torq.	900 1/min	
0	0612h	I	dr18	DASM field weak. speed	1290 1/min	
0	0613h	I	dr19	flux adaption faktor	100 %	
0	0614h	I	dr20	field weak. curve	1,20	
0	0615h	I	dr21	no load voltage	75,0 %	
0	0904h	I	Fr10	load mot.dependent para.	0: done	automatic calculation of current control parameters -> Fr.10 = 1
0	0500h	I	uF00	rated frequency	50,0000 Hz	Basic inputs for start-up in U/f-mode
0	0501h	I	uF01	boost	No Answer	

Edit value

dr16 DASM max torque com. sp ; Inv. 0 ; Set I

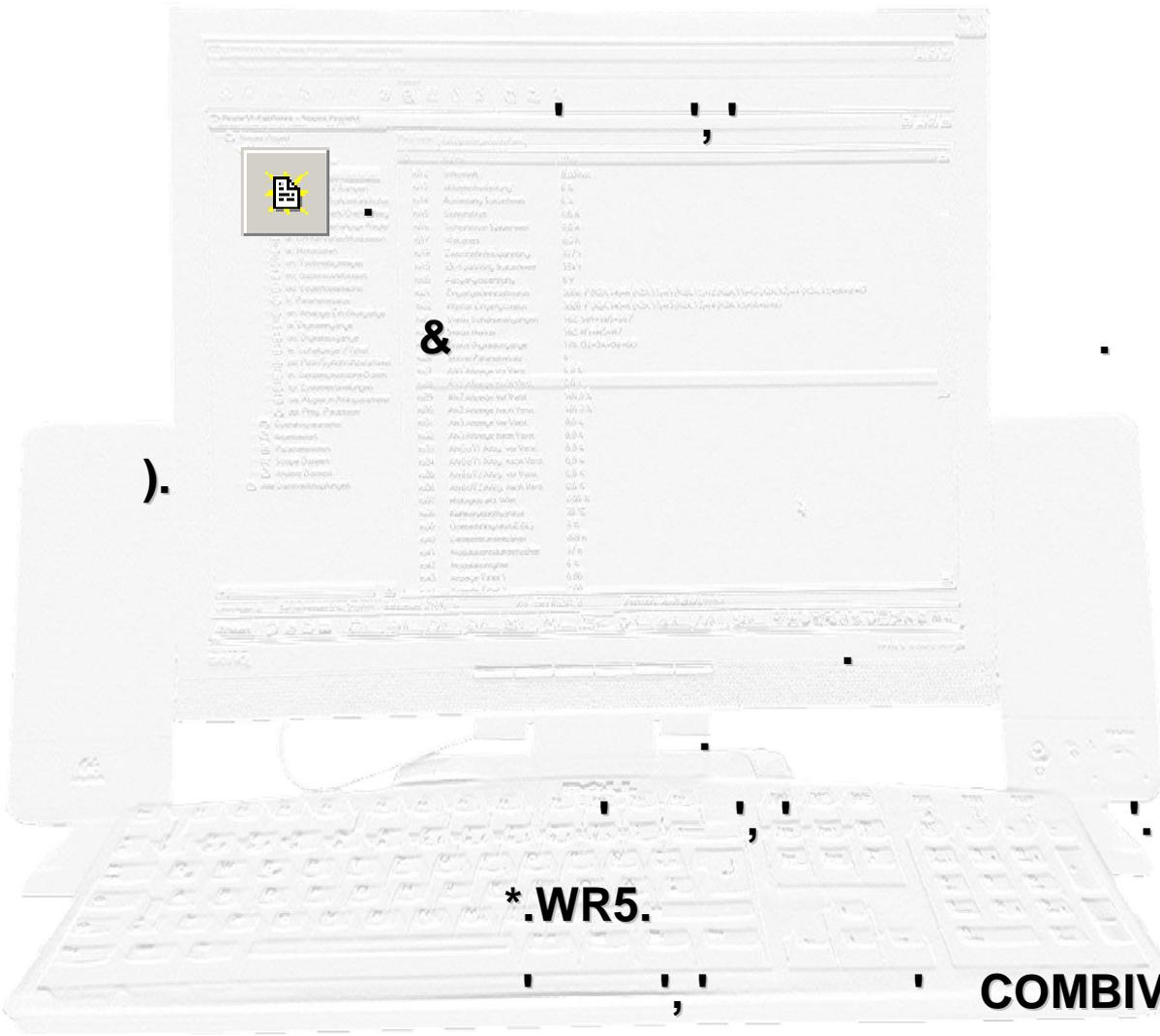
7,66 Nm

Ok Cancel

()

The screenshot shows the KEB COMBIVIS 5 software interface. The main window title is "COMBIVIS 5 - New project :muenchen". The menu bar includes "File", "Edit", "View", "Windows", and "Help". The "File" menu is open, showing options like "New project", "Open", "Save", and "Quit". A "Speichern unter" (Save As) dialog box is overlaid on the main window, showing the file name "Worklist Start-Up.wr5" and the file type "Worklists (*.wr5)".

name	Value	Remarks
encoder 1 interface	13: Incre	
encoder 1 (inc/r)	2500: 2!	
time 1 for speed calc.	3: 4 ms	
enc.1 rotation	0: not in	
enc.1 trigger/mult.	2: 4 time	
encoder 2 interface	2: Incre	
encoder 2 (inc/r)	2500: 2!	
time 2 for speed calc.	3: 4 ms	
gear 2 numerator	1000	
gear 2 determinant	1000	
enc.2 rotation	0: not in	
enc.2 trigger/mult.	2: 4 time	
SSI multiturn res.	12	
SSI clock frq. sel.	0: 156,2	
SSI data code	1: gray	
SSI power failure bit	0: off	
enc.alarm mode	0: off+off	



Drag&Drop

()

*.WR5.

COMBIVIS.



Worklist for startup of a stacker crane

Inv.	Addr.	Id.	Name	Value	Remarks
0	0F00h	cS00	speed control config.	0: off	Speed-control activation cS.00 = 4
0	0F01h	cS01	act. source	0: channel 1+off	
0	0F06h	cS06	KP speed	300	Kp speed-control
0	0F09h	cS09	KI speed	100	Ki speed-control
0	0F0Ah	cS10	KI offset	0	Ki offset in lower speeds
0	0F0Bh	cS11	max speed for max KI	10 1/min	for better taking over of the load
0	0F0Ch	cS12	min speed for cs.09	500 1/min	
0	1306h	PS06	KP pos/syn	500	Kp position control
0	1307h	PS07	KP speed limit reduction	100,0 %	Reduction of the Kp-position at higher speed
0	1308h	PS08	speed limit for ps.07	4000,000 1/min	to avoid oscillations
0	0315h	oP21	step value 1	100,000 1/min	Fixed speed for manual mode, forward, slow
0	0316h	oP22	step value 2	-100,000 1/min	
0	0317h	oP23	step value 3	0,000 1/min	
0	031Ch	oP28	acc. time for.	2,00 s	
0	0320h	oP32	s-curve time acc. for.	1,00 s	
0	0315h	oP21	step value 1	100	
0	0316h	oP22	step value 2	-100	
0	0317h	oP23	step value 3	0,00	
0	031Ch	oP28	acc. time for.	5,00	
0	0320h	oP32	s-curve time acc. for.	0: ol	
0	0315h	oP21	step value 1	100	

Edit value F3

Edit set F4

Edit remark F5

Edit Parameter F6

Edit node addr. F2

Insert blank line F7

Save worklist Strg+S

Save worklist as

Add worklist to project

Cut Strg+X

Copy Strg+C

Paste Strg+V

Delete Entf

Mark all Strg+A

Reset column width

Edit set

cS00 speed control config. , Worklist Start-Up.wr5

Enhanced set selection All sets

0: 1: 2: 3: 4: 5: 6: 7:

Actual set

Indirect by set pointer

Ok Cancel



D:\Präsentationen\Schulung\Worklist Start-Up.wr5

Worklist for startup of a stacker crane

Inv.	Addr.	Set	Id.	Name	Value	Remarks
1	0316h	0	oP22	step value 2	-100,000 1/min	
1	0317h	0	oP23	step value 3	0,000 1/min	
1	031Ch	0	oP28	acc. time for.	2,00 s	
1	0320h	0	oP32	s-curve time acc. for.	1,00 s	
1	0315h	1	oP21	step value 1	100,000 1/min	Fixed speed for manual mode, reverse, fast
1	0316h	1	oP22	step value 2	-100,000 1/min	
1	0317h	1	oP23	step value 3	0,000 1/min	
1	031Ch	1	oP28	acc. time for.	5,00 s	
1	0320h	1	oP32	s-curve time acc. fo	0: off	
1	0315h	2	oP21	step value 1	100,000 1/min	Fixed speed for manual mode, reverse, fast
1	0316h	2	oP22	step value 2	-100,000 1/min	
1	0317h	2	oP23	step value 3	0,000 1/min	
1	031Ch	2	oP28	acc. time for.	5,00 s	
1	0320h	2	oP32	s-curve time acc. for.	0: off	
1	0315h	3	oP21	step value 1	100,000 1/min	Fixed speed for manual mode, reverse, fast
1	0316h	3	oP22	step value 2	-100,000 1/min	
1	0317h	3	oP23	step value 3	0,000 1/min	
1	031Ch	3	oP28	acc. time for.	5,00 s	

Edit node addr.

unknown Inverter , Worklist Start-Up.wr5

1 Node 1

Ok Cancel

- Edit value F3
- Edit set F4
- Edit remark F5
- Edit Parameter F6
- Edit node addr. F2
- Insert blank line F7
- Save worklist Strg+S
- Save worklist as
- Add worklist to project
- Cut Strg+X
- Copy Strg+C
- Paste Strg+V
- Delete Entf
- Mark all Strg+A
- Reset column width



Parameter list



The screenshot shows the KEB COMBIVIS 5 software interface. The 'File' menu is open, and the 'New Parameterlist' option is highlighted. A green circle highlights the 'New Parameterlist' icon in the toolbar, with a green arrow pointing to the 'New Parameterlist' window title bar.

The 'New Parameterlist' window displays a table of parameters:

ID:	Name:	Value:
▶ oP00	reference source	No Answer
▶ oP01	rotation source	7: reference, no LS
▶ oP02	rotation setting	0: low speed
▶ oP03	reference setting	0,000
▶ oP05	reference setting %	0,0 %
▶ oP06	min. reference forward	0,000
▶ oP07	min. reference reverse	-1: = 1
▶ oP10	max. reference forward	2100
▶ oP11	max. reference reverse	-1: = 1
▶ oP14	abs. max. reference for	4000
▶ oP15	abs. max. reference rev	-1: = 1
▶ oP18	step value rot. source	7: ref
▶ oP19	step value input sel. 1	16: I1
▶ oP20	step value input sel. 2	32: I2
▶ oP21	step value 1	100,0
▶ oP22	step value 2	-100,0
▶ oP23	step value 3	0,000
▶ oP27	acc dec mode	0: FA
▶ oP28	acc. time for.	2,00
▶ oP29	acc. time rev.	-1: = 1
▶ oP30	dec. time for.	2,00
▶ oP31	dec. time rev.	-1: = 1
▶ oP32	s-curve time acc. for.	1,00
▶ oP33	s-curve time acc. rev.	-1: = forward parameter
▶ oP34	s-curve time dec. for.	-1: = acc. parameter
▶ oP35	s-curve time dec. rev.	-1: = forward parameter

The 'New Parameterlist1 - Node 0' window is also open, showing a table with columns: R / W, Set, Addr, ID, Parameter, Value, Remarks.

At the bottom of the interface, there is a status bar with the following information: Inverter: 0, Set adr. mode: Indirect, Set pointer (Fr09): 0, Act. set (ru26): 0, Password: application password.

D:\Präsentationen\Schulung\crane1 x-axis.dw5 - Node 0

Parameterlist for x-axis crane RBG1

3302	R / W	Set	Addr	ID	Parameter	Value	Remarks
242	RW		0600h	dr00	DASM rated current	1,8 A	motor data x-axis
243	RW		0601h	dr01	DASM rated speed	1370 1/min	
244	RW		0602h	dr02	DASM rated voltage	230 V	
245	RW		0603h	dr03	DASM rated power	0,37 kW	
246	RW		0604h	dr04	DASM rated cos(phi)	0,76	
247	RW		0605h	dr05	DASM rated frequency	50,0 Hz	
248	RW		0606h	dr06	DASM stator resistance	5,400 Ohm	
249	RW		0607h	dr07	DASM sigma-inductance	13,50 mH	
250	RW		0608h	dr08	DASM rotor resistance	6,933 Ohm	
251	RW		0609h	dr09	breakdown factor	2,5	
252	RW		060Ah	dr10	DASM head-inductance	980,4 mH	
253							
254	RW		060Bh	dr11	motorprotection mode	1: self cooling	
255	RW		060Ch	dr12	motorprot. rated current	3,6 A	
256	RO		060Eh	dr14	DASM rated torque	2,57 Nm	
257	RO		060Fh	dr15	max torque FU	11,69 Nm	
258	RW		0610h	dr16	DASM max torque corn. sp	3,85 Nm	
259	RW		0611h	dr17	DASM speed for max torq.	900 1/min	
260	RW		0612h	dr18	DASM field weak. speed	1290 1/min	
261	RW		0613h	dr19	flux adaption faktor	100 %	
262	RW		0614h	dr20	field weak. curve	1,20	
263	RW		0615h	dr21	no load voltage	75,0 %	
264	RW		0625h	dr37	max. current	0,0 A	

Edit value F3

Edit set F4

Edit remark F5

Insert new parameter F6

Insert blank line F7

Insert user input

Save Strg+S

Save as

Add to project

Cut Strg+X

Copy Strg+C

Paste Strg+V

Delete Entf

Mark all Strg+A

()

D:\Präsentationen\Schulung\crane1 x-axis.dw5 - Node 0

Parameterlist for x-axis crane RBG1

3302	R / W	Set	Addr	ID	Parameter	Value	Remarks
241							
242	RW		0600h	dr00	DASM rated current	1,8 A	motor data x-axis
243	RW		0601h	dr01	DASM rated speed	1370 1/min	
244	RW		0602h	dr02	DASM rated voltage	230 V	
245	RW		0603h	dr03	DASM rated power	0,37 kW	
246	RW		0604h	dr04	DASM rated cos(phi)	0,75	
247	RW		0605h	dr05	DASM rated frequency	50,0 Hz	
248	RW		0606h	dr06	DASM stator resistance	5,400 Ohm	
249	RW		0607h	dr07	DASM sigma-inductance	13,50 mH	
250	RW		0608h	dr08	DASM rotor resistance	6,933 Ohm	
251	RW		0609h	dr09	breakdown factor	2,5	
252	RW		060Ah	dr10	DASM head-inductance	980,4 mH	
253							
254	RW		0608h	dr11	motorprotection mode	1: self cooling	
255	RW		060Ch	dr12	motorprot. rated current	3,6 A	
256	RO		060Eh	dr14	DASM rated torque	2,57 N	
257	RO		060Fh	dr15	max torque FU	11,69 N	
258	RW		0610h	dr16	DASM max torque corn. sp	3,85 N	
259	RW		0611h	dr17	DASM speed for max torq.	900 1/min	
260	RW		0612h	dr18	DASM field weak. speed	1290 1/min	
261	RW		0613h	dr19	flux adaption faktor	100 %	
262	RW		0614h	dr20	field weak. curve	1,20	
263	RW		0615h	dr21	no load voltage	75,0 %	
264	RW		0625h	dr37	max. current	0,0 A	

Edit value

dr11 motorprotection mode; crane1 x-axis.dw5; Entry 254

1: self cooling

motorprotection mode 1: self cooling

Ok Cancel

()



KEB COMBIVIS 5 - New project :muenchen

File Edit View crane1 x-axis.dw5 Windows Help

New project
New Parameterlist
New Worklist
Parameter saving

Open Strg+O
Save Strg+S
Save as
Open
Save project
Save project as
Copy project
Print Strg+P
Quit

ng\crane1 x-axis.dw5 - Node 0

ID	Parameter	Value	Remarks
0h dr00	DASM rated current	1,8 A	motor data x-axis
1h dr01	DASM rated speed	1370 1/min	
2h dr02	DASM rated voltage	230 V	
3h dr03	DASM rated power	0,37 kW	
4h dr04	DASM rated cos(phi)	0,76	
5h dr05	DASM rated frequency	50,0 Hz	
6h dr06	DASM stator resistance	5,400 Ohm	
7h dr07	DASM sigma-inductance	13,50 mH	
8h dr08	DASM rotor resistance	6,933 Ohm	
0609h dr09	breakdown factor	2,5	
060Ah dr10	DASM head-inductance	980,4 mH	
0608h dr11	motorprotection mode	1: self cooling	
060Ch dr12	motorprot. rated current	3,6 A	
060Eh dr14	DASM rated torque	2,57 Nm	
060Fh dr15	max torque FU	11,69 Nm	
0610h dr16	DASM max torque corn. sp	3,85 Nm	
0611h dr17	DASM speed for max torq.	900 1/min	
0612h dr18	DASM field weak. speed	1290 1/min	
0613h dr19	flux adaption faktor	100 %	
0614h dr20	field weak. curve	1,20	
0615h dr21	no load voltage	75,0 %	
0625h dr37	max. current	0,0 A	

Speichern unter

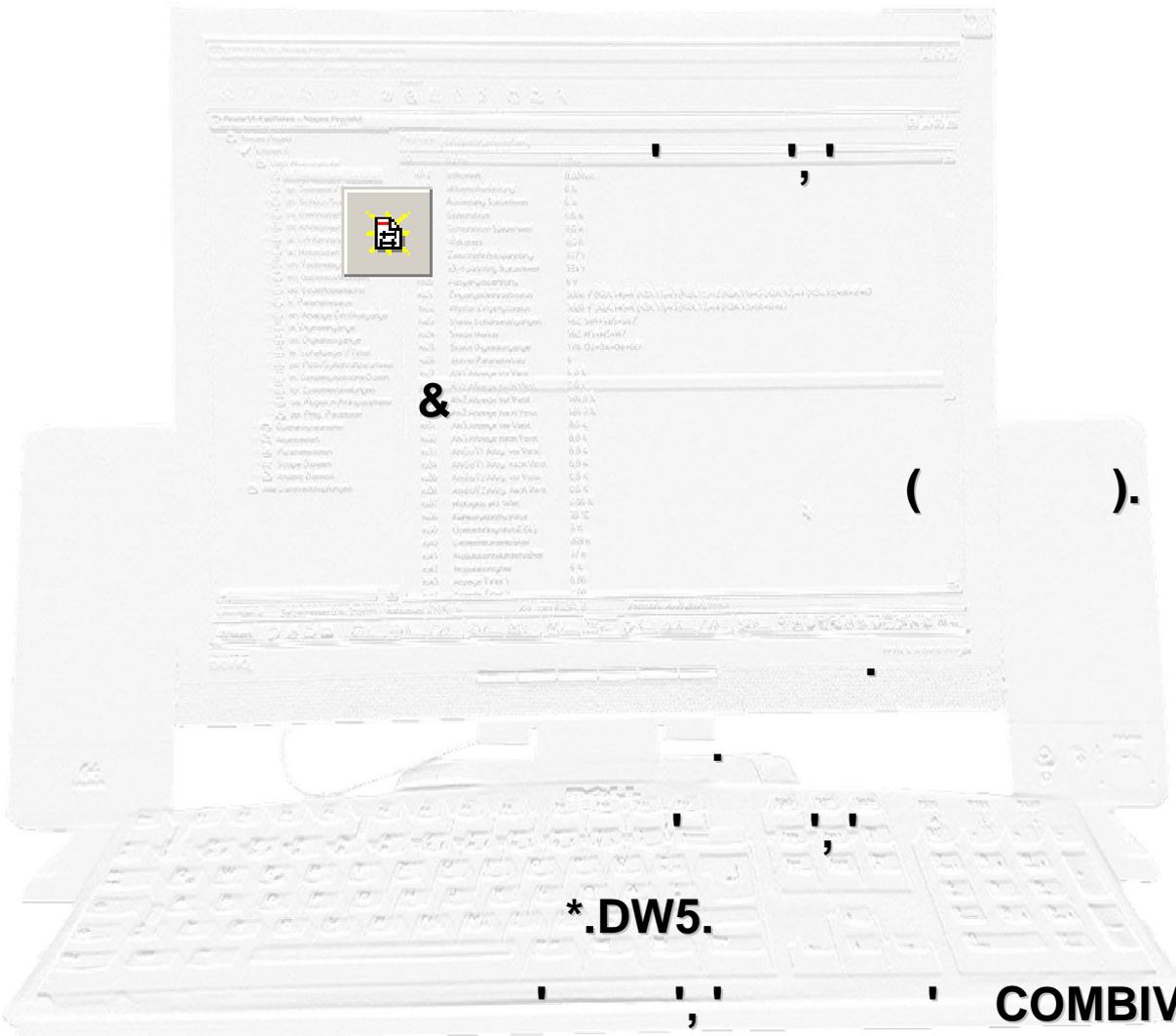
Speichern Schulung

crane1 x-axis.dw5

Dateiname: crane1 x-axis.dw5 Speichern

Dateityp: Parameter lists (*.dw5) Abbrechen





Drag&Drop

*.DW5.

COMBIVIS.

The screenshot shows the KEB COMBIVIS 5 software interface. The main window title is "COMBIVIS 5 - New project :muenchen". The menu bar includes "File", "Edit", "View", "New Parameterlist2", "Windows", and "Help". The toolbar contains various icons for file operations and editing. The main workspace displays a table with the following columns: "0", "R / W", "Set", "Addr", "ID", "Parameter", "Value", and "Remarks". The table is currently empty. A dialog box titled "New Parameterlist2" is open, asking the user to "Please select set order for the complete list:" with three options: "Indirect", "Joined parameters", and "Joined sets". Another dialog box titled "New Parameterlist2" is also open, asking "The actual node contains operator parameters. Should they be added to the complete list?" with "Yes" and "No" buttons.

KEB COMBIVIS 5 - New project :munchen

File Edit View New Parameterlist1 Windows Help

New Parameterlist1 - Node 0

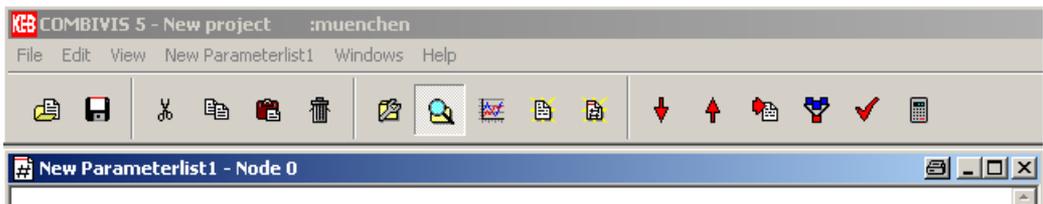
3472	R / W	Set	Addr	ID	Parameter	Value
0	WA		0801h	Ud01	password	0
1	WA		0909h	Fr09	indirect set pointer	0
2	WA		0002h	Sy02	inverter identifier	2212: F5A-M/V4.00 400.
3						
4	WA		0909h	Fr09	indirect set pointer	0
5	RO		0200h	ru00	inverter state	0: no operation
6	RO		0201h	ru01	set value display	0,000 1/min
7	RO		0202h	ru02	ramp output display	0,000 1/min
8	RO		0203h	ru03	actual frequency display	0,0000 Hz
9	RO		0206h	ru06	calculated act. value	0,000 1/min
10	RO		0207h	ru07	actual value display	0,000 1/min
11	RO		0209h	ru09	encoder 1 speed	0,000 1/min
12	RO		020Ah	ru10	encoder 2 speed	0,000 1/min
13	RO		0208h	ru11	set torque display	0,00 Nm
14	RO		020Ch	ru12	actual torque display	0,00 Nm
15	RO		020Dh	ru13	actual utilization	0 %
16	RW		020Eh	ru14	peak utilization	0 %
17	RO		020Fh	ru15	apparent current	0,0 A
18	RW		0210h	ru16	peak apparent current	0,0 A
19	RO		0211h	ru17	active current	0,0 A
20	RO		0212h	ru18	actual DC voltage	0 V
21	RW		0213h	ru19	peak DC voltage	0 V

1488	RW		004Ah	Sy74	proc. data 1-4 size	0000h
1489	RW		004Bh	Sy75	proc. data 5-8 size	0000h
1490						
1491						
1492	WA		0909h	Fr09	indirect set pointer	1
1493	RW		0300h	oP00	reference source	0: analog REF
1494	RW		0301h	oP01	rotation source	7: reference, no LS
1495	RW		0302h	oP02	rotation setting	0: low speed
1496	RW		0303h	oP03	reference setting	0,000 1/min
1497	RW		0305h	oP05	reference setting %	0,0 %
1498	RW		0306h	oP06	min. reference forward	0,000 1/min
1499	RW		0307h	oP07	min. reference reverse	-1: = forward parameter
1758	RO		0E18h	In24	last error	0: no operation
1759	RO		0E19h	In25	error diagnosis	no error+0000h
1760						
1761						
1762	WA		0909h	Fr09	indirect set pointer	2
1763	RW		0300h	oP00	reference source	0: analog REF
1764	RW		0301h	oP01	rotation source	7: reference, no LS
1765	RW		0302h	oP02	rotation setting	0: low speed
1766	RW		0303h	oP03	reference setting	0,000 1/min
1767	RW		0305h	oP05	reference setting %	0,0 %
1768	RW		0306h	oP06	min. reference forward	0,000 1/min
1769	RW		0307h	oP07	min. reference reverse	-1: = forward parameter
3108	RO		0E18h	In24	last error	0: no operation
3109	RO		0E19h	In25	error diagnosis	no error+0000h
3110						
3111						
3112	WA		0909h	Fr09	indirect set pointer	7
3113	RW		0300h	oP00	reference source	0: analog REF
3114	RW		0301h	oP01	rotation source	7: reference, no LS
3115	RW		0302h	oP02	rotation setting	0: low speed
3116	RW		0303h	oP03	reference setting	0,000 1/min
3117	RW		0305h	oP05	reference setting %	0,0 %
3118	RW		0306h	oP06	min. reference forward	0,000 1/min
3119	RW		0307h	oP07	min. reference reverse	-1: = forward parameter

(Fr.09)

- /
-
- Fr.09
- : Fr.09= 0 0,
- Fr.09= 1 1.
- Fr.09= 7 7.



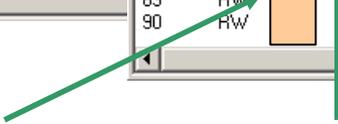


New Parameterlist1 - Node 0

3357	R / W	Set	Addr	ID	Parameter	Value
0	WA	I	0801h	Ud01	password	0
1	WA		0002h	Sy02	inverter identifier	2212: F5A-M/V4.00
2	RO		0200h	ru00	inverter state	0: no operation
3	RO		0201h	ru01	set value display	0,000 1/min
4	RO		0202h	ru02	ramp output display	0,000 1/min
5	RO		0203h	ru03	actual frequency display	0,0000 Hz
6	RO		0206h	ru06	calculated act. value	0,000 1/min
7	RO		0207h	ru07	actual value display	0,000 1/min
8	RO		0209h	ru09	encoder 1 speed	0,000 1/min
9	RO		020Ah	ru10	encoder 2 speed	0,000 1/min
10	RO		020Bh	ru11	set torque display	0,00 Nm
11	RO		020Ch	ru12	actual torque display	0,00 Nm
12	RO		020Dh	ru13	actual utilization	0 %
13	RW		020Eh	ru14	peak utilization	0 %
14	RO		020Fh	ru15	apparent current	0,0 A
15	RW		0210h	ru16	peak apparent current	0,0 A
16	RO		0211h	ru17	active current	0,0 A
17	RO		0212h	ru18	actual DC voltage	0 V
18	RW		0213h	ru19	peak DC voltage	0 V
19	RO		0214h	ru20	output voltage	0 V
20	RO		0215h	ru21	input terminal state	0: no input
21	RO		0216h	ru22	internal input state	0: no input

New Parameterlist1 - Node 0

3357	R / W	Set	Addr	ID	Parameter	Value	Remarks
69	RW		0255h	ru85	peak encoder 1 speed	0,000 1/min	
70	RW		0256h	ru86	peak encoder 2 speed	0,000 1/min	
71	RO		0257h	ru87	magnetising current	0,0 A	
72	RO		0259h	ru89	act. src. speed	0,000 1/min	
73	RO		025Ah	ru90	max.torque in percent	0,00 %	
74							
75	RW		0300h	oP00	reference source	0: analog REF	
76	RW		0300h	oP00	reference source	0: analog REF	
77	RW		0300h	oP00	reference source	0: analog REF	
78	RW		0300h	oP00	reference source	0: analog REF	
79	RW		0300h	oP00	reference source	0: analog REF	
80	RW		0300h	oP00	reference source	0: analog REF	
81	RW		0300h	oP00	reference source	0: analog REF	
82	RW		0300h	oP00	reference source	0: analog REF	
83	RW		0301h	oP01	rotation source	7: reference, no LS	
84	RW		0301h	oP01	rotation source	7: reference, no LS	
85	RW		0301h	oP01	rotation source	7: reference, no LS	
86	RW		0301h	oP01	rotation source	7: reference, no LS	
87	RW		0301h	oP01	rotation source	7: reference, no LS	
88	RW		0301h	oP01	rotation source	7: reference, no LS	
89	RW		0301h	oP01	rotation source	7: reference, no LS	
90	RW		0301h	oP01	rotation source	7: reference, no LS	





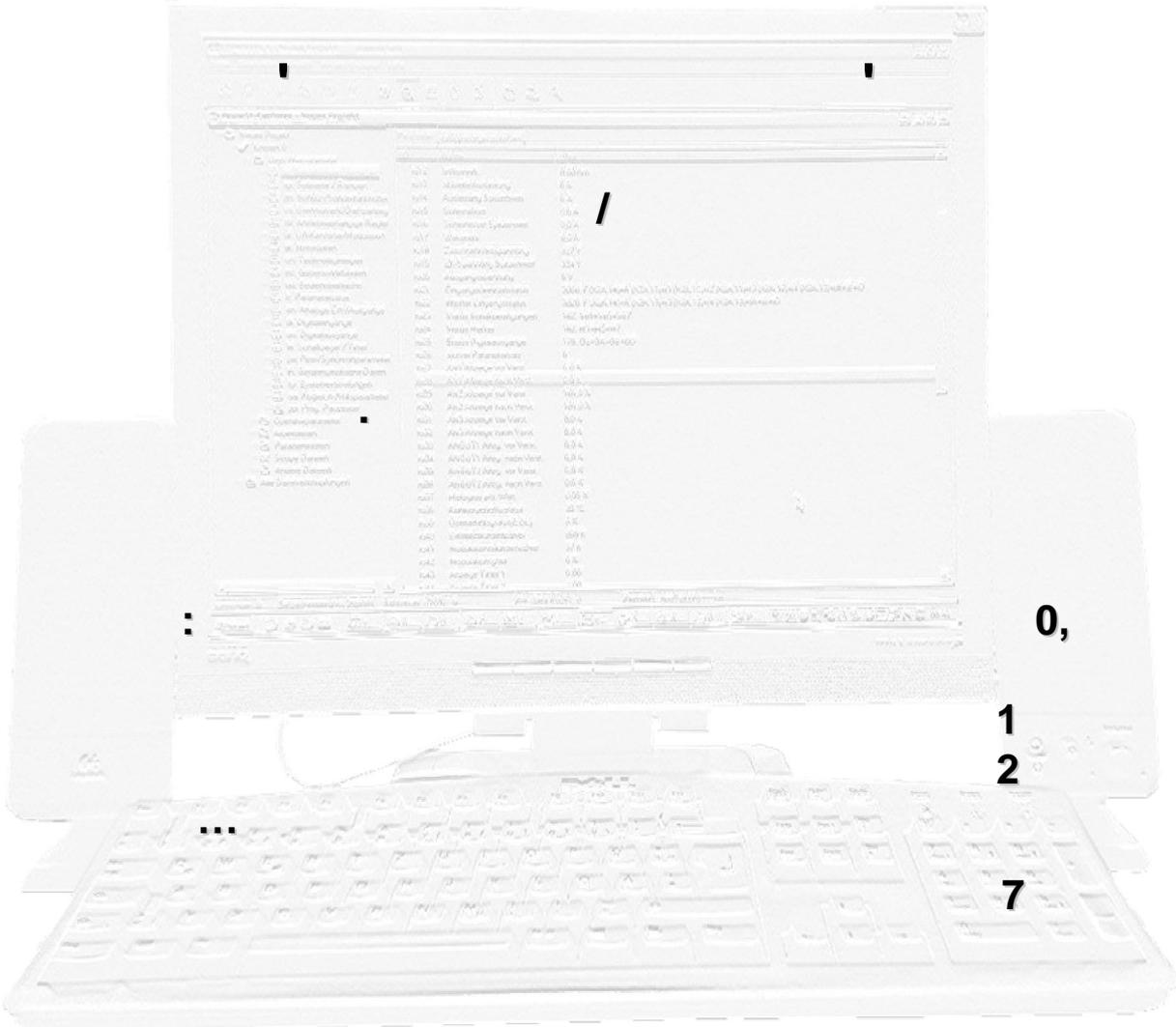
KEB COMBIVIS 5 - New project :muenchen

File Edit View New Parameterlist1 Windows Help

New Parameterlist1 - Node 0

3497	R / W	Set	Addr	ID	Parameter	Value
0	WA	I	0801h	Ud01	password	0
1	WA	I	0002h	Sy02	inverter identifier	2212: F5A-M/V4.00 400...
2	RO		0200h	ru00	inverter state	0: no operation
3	RO		0201h	ru01	set value display	0,000 1/min
4	RO		0202h	ru02	ramp output display	0,000 1/min
5	RO		0203h	ru03	actual frequency display	0,0000 Hz
6	RO		0206h	ru06	calculated act. value	0,000 1/min
7	RO		0207h	ru07	actual value display	0,000 1/min
8	RO		0209h	ru09	encoder 1 speed	0,000 1/min
9	RO		020Ah	ru10	encoder 2 speed	0,000 1/min
10	RO		020Bh	ru11	set torque display	0,00 Nm
11	RO		020Ch	ru12	actual torque display	0,00 Nm
12	RO		020Dh	ru13	actual utilization	0 %
13	RW		020Eh	ru14	peak utilization	0 %
14	RO		020Fh	ru15	apparent current	0,0 A
15	RW		0210h	ru16	peak apparent current	0,0 A
16	RO		0211h	ru17	active current	0,0 A
17	RO		0212h	ru18	actual DC voltage	0 V
18	RW		0213h	ru19	peak DC voltage	0 V
19	RO		0214h	ru20	output voltage	0 V
20	RO		0215h	ru21	input terminal state	0: no input
21	RO		0216h	ru22	internal input state	0: no input

1485	RW		004Ah	Sy74	proc. data 1-4 size	0000h
1486	RW		004Bh	Sy75	proc. data 5-8 size	0000h
1487						
1488						
1489	RW		0300h	oP00	reference source	0: analog REF
1490	RW		0301h	oP01	rotation source	7: reference, no LS
1491	RW		0302h	oP02	rotation setting	0: low speed
1492	RW		0303h	oP03	reference setting	0,000 1/min
1493	RW		0305h	oP05	reference setting %	0,0 %
1494	RW		0306h	oP06	min. reference forward	0,000 1/min
1495	RW		0307h	oP07	min. reference reverse	-1: = forward parameter
1496	RW		030Ah	oP10	max. reference forward	2100,000 1/min
1758	RO		0E18h	In24	last error	0: no operation
1759	RO		0E19h	In25	error diagnosis	no error+0000h
1760						
1761						
1762	RW		0300h	oP00	reference source	0: analog REF
1763	RW		0301h	oP01	rotation source	7: reference, no LS
1764	RW		0302h	oP02	rotation setting	0: low speed
1765	RW		0303h	oP03	reference setting	0,000 1/min
1766	RW		0305h	oP05	reference setting %	0,0 %
1767	RW		0306h	oP06	min. reference forward	0,000 1/min
1768	RW		0307h	oP07	min. reference reverse	-1: = forward parameter
1769	RW		030Ah	oP10	max. reference forward	2100,000 1/min
3123	RO		0E18h	In24	last error	0: no operation
3124	RO		0E19h	In25	error diagnosis	no error+0000h
3125						
3126						
3127	RW		0300h	oP00	reference source	0: analog REF
3128	RW		0301h	oP01	rotation source	7: reference, no LS
3129	RW		0302h	oP02	rotation setting	0: low speed
3130	RW		0303h	oP03	reference setting	0,000 1/min
3131	RW		0305h	oP05	reference setting %	0,0 %
3132	RW		0306h	oP06	min. reference forward	0,000 1/min
3133	RW		0307h	oP07	min. reference reverse	-1: = forward parameter
3134	RW		030Ah	oP10	max. reference forward	2100,000 1/min



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 Complete list
 Compress
 Compare List
 Settings

Crane.dw5 - Node 0

123	R / W	Set	Addr	ID	Parameter	Value	Remarks
0	WA	I	0801h	Ud01	password	440	
1							
2	RW	I	0802h	Ud02	control type	4: F5-M / 4000 rpm	
3	WO	I	0901h	Fr01	copy parameter set	-4: KEBdef/cust+sys/all ...	
4							
5	RW	I	0006h	Sy06	inverter address	1	
6	RW	I	0007h	Sy07	baud rate ext. bus	5: 38,4 kBaud	
7							
8	WA	I	0909h	Fr09	indirect set pointer	0	
9							
10	RW	I	0300h	oP00	reference source	5: set speed value (sy.52)	Reference source for manual mode
11	RW	I	030Ah	oP10	max. reference forward	2100,000 1/min	
12	RW	I	030Eh	oP14	abs. max. reference for	4000,000 1/min	
13	RW	I	0315h	oP21	step value 1	100,000 1/min	
14	RW	I	0316h	oP22	step value 2	-100,000 1/min	
15	RW	I	0317h	oP23	step value 3	0,000 1/min	
16	RW	I	031Ch	oP28	acc. time for.	2,00 s	
17	RW	I	031Eh	oP30	dec. time for.	2,00 s	
18	RW	I	0320h	oP32	s-curve time acc. for.	1,00 s	
19							
20	RW	I	0403h	Ph03	E.EF stopping mode	0: ERROR, no auto retr.	
21	RW	I	043Dh	Ph61	quick stop torque limit	10,92 Nm	
22	RW	I	043Ch	Ph60	quick stop dec time	2,00 s	
23	RW	I	0443h	Ph67	q.stop max.torq.com.sp	7,66 Nm	
24							
25	RW	I	0F00h	cS00	speed control config.	0: off	Speed control configuration
26	RW	I	0F06h	cS06	KP speed	300	
27	RW	I	0F09h	cS09	KI speed	100	
28	RW	I	0F13h	cS19	abs. torque ref	10,92 Nm	
29							
30	RW	I	0500h	uF00	rated frequency	50,0000 Hz	Basic adjustments for U/f mode
31	RW	I	0501h	uF01	boost	5,1 %	

Application Stacker Crane.dw5

Process Upload (read parameter list) from inverter Node 0 ?

Yes No

Application Stacker Crane.dw5

Up/Download in progress...

47%

Cancel



xxx.dw5,





ST (X2A.16)

Item No.	Description	Unit	Quantity
101	System	1	1
102	Control Panel	1	1
103	Control Panel	1	1
104	Control Panel	1	1
105	Control Panel	1	1
106	Control Panel	1	1
107	Control Panel	1	1
108	Control Panel	1	1
109	Control Panel	1	1
110	Control Panel	1	1
111	Control Panel	1	1
112	Control Panel	1	1
113	Control Panel	1	1
114	Control Panel	1	1
115	Control Panel	1	1
116	Control Panel	1	1
117	Control Panel	1	1
118	Control Panel	1	1
119	Control Panel	1	1
120	Control Panel	1	1
121	Control Panel	1	1
122	Control Panel	1	1
123	Control Panel	1	1
124	Control Panel	1	1
125	Control Panel	1	1
126	Control Panel	1	1
127	Control Panel	1	1
128	Control Panel	1	1
129	Control Panel	1	1
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191	Control Panel	1	1
192	Control Panel	1	1
193	Control Panel	1	1
194	Control Panel	1	1
195	Control Panel	1	1
196	Control Panel	1	1
197	Control Panel	1	1
198	Control Panel	1	1
199	Control Panel	1	1
200	Control Panel	1	1



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 Compare List
 Settings

Crane.dw5 - Node 0

123	R / W	Set	Addr	ID	Parameter	Value	Remarks
0	WA	I	0801h	Ud01	password	440	
1							
2	RW	I	0802h	Ud02	control type	4: F5-M / 4000 rpm	
3	WD	I	0901h	Fr01	copy parameter set	-4: KEBdef/cust+sys/all ...	
4							
5	RW	I	0006h	Sy06	inverter address	1	
6	RW	I	0007h	Sy07	baud rate ext. bus	5: 38,4 kBaud	
7							
8	WA	I	0909h	Fr09	indirect set pointer	0	
9							
10	RW	I	0300h	oP00	reference source	5: set speed value (sy.52)	Reference source for manual mode
11	RW	I	030Ah	oP10	max. reference forward	2100,000 1/min	
12	RW	I	030Eh	oP14	abs. max. reference for	4000,000 1/min	
13	RW	I	0315h	oP21	step value 1	100,000 1/min	
14	RW	I	0316h	oP22	step value 2	-100,000 1/min	
15	RW	I	0317h	oP23	step value 3	0,000 1/min	
16	RW	I	031Ch	oP28	acc. time for.	2,00 s	
17	RW	I	031Eh	oP30	dec. time for.	2,00 s	
18	RW	I	0320h	oP32	s-curve time acc. for.	1,00 s	
19							
20	RW	I	0403h	Ph03	E.EF stopping mode	0: ERROR, no auto retr.	
21	RW	I	043Dh	Ph61	quick stop torque limit	10,92 Nm	
22	RW	I	043Ch	Ph60	quick stop dec time	2,00 s	
23	RW	I	0443h	Ph67	q.stop max.torq.com.sp	7,66 Nm	
24							
25	RW	I	0F00h	cS00	speed control config.	0: off	Speed control configuration
26	RW	I	0F06h	cS06	KP speed	300	
27	RW	I	0F09h	cS09	KI speed	100	
28	RW	I	0F13h	cS19	abs. torque ref	10,92 Nm	
29							
30	RW	I	0500h	uF00	rated frequency	50,0000 Hz	Basic adjustments for U/f mode
31	RW	I	0501h	uF01	boost	5,1 %	

Application Stacker Crane.dw5

Process Download (write parameter list) to inverter Node 0 ?

Yes No

Application Stacker Crane.dw5

Up/Download in progress...

54%

Cancel





xxx.dw5,





COMBIVIS 5 - New project :muenchen

File Edit View Project-explorer Help

New project
New Parameterlist
New Worklist
Parameter saving

Open Strg+O
Save Strg+S
Save as
Open
Save project
Save project as
Copy project
Print Strg+P
Quit

Parameter list

ID:	Name:	Value:
oP00	reference source	0: analog REF
oP01	rotation source	7: reference, no LS
oP02	rotation setting	0: low speed
oP03	reference setting	0,000 1/min
oP05	reference setting %	0,0 %
oP06	min. reference forward	0,000 1/min
oP07	min. reference reverse	-1: = forward parameter
oP10	max. reference forward	2100,000 1/min
oP11	max. reference reverse	-1: = forward parameter
oP14	abs. max. reference for	4000,000 1/min
oP15	abs. max. reference rev	-1: = forward parameter
oP18	step value rot. source	7: reference, no LS
oP19	step value input sel. 1	16: I1
oP20	step value input sel. 2	32: I2
oP21	step value 1	100,000 1/min
oP22	step value 2	-100,000 1/min
oP23	step value 3	0,000 1/min
oP27	acc dec mode	0: FACC const. ramp+FDEC cor
oP28	acc. time for.	5,00 s
oP29	acc. time rev.	-1: = forward parameter
oP30	dec. time for.	5,00 s
oP31	dec. time rev.	-1: = forward parameter
oP32	s-curve time acc. for.	0: off
oP33	s-curve time acc. rev.	-1: = forward parameter
oP34	s-curve time dec. for.	-1: = acc. parameter
oP35	s-curve time dec. rev.	-1: = forward parameter

di: digital input parameter
do: digital output parameter
le: level parameter
ps: pos/syn parameter
in: information parameter
sy: system parameter
aa: adjustment assist. para.
pp: prog. parameter
Operator parameter
Work lists
Download lists
Scope files
Additional files
All linked files

Inverter: 0 Set adr. mode: Indirect Set pointer (Fr09): 0 Act. set (ru26): 0 Password: application password

Öffnen

Suchen in: Schulung

Application Stacker Crane1.dw5
crane1 x-axis.dw5

Dateiname: Application Stacker Crane1.dw5 Öffnen

Dateityp: Parameter lists (*.dw5;*.dwn;*.op5) Abbrechen

COMBIVIS 5 - New project :munchen

File Edit View New Parameterlist1 Help

Project-explorer - New project

- New project
 - Node 0
 - Inverter parameter
 - ru: run parameter
 - op: operational parameter
 - pn: protection parameter
 - cs: control speed parameter
 - ds: drive spec. control para
 - uf: u/f parameter
 - dr: drive parameter
 - cn: control parameter
 - ec: encoder parameter
 - ud: user definition para.
 - fr: free programmable para.
 - an: analog I/O parameter
 - di: digital input parameter
 - do: digital output parameter
 - le: level parameter
 - ps: pos/syn parameter
 - in: information parameter
 - sy: system parameter
 - aa: adjustment assist. para.
 - pp: prog. parameter
 - Operator parameter
 - Work lists
 - Download lists
 - Scope files
 - Additional files
 - All linked files

Parameter list | Group properties

ID:	Name:	Value:
oP00	reference source	
oP01	rotation source	
oP02	rotation setting	
oP03	reference setting	
oP05	reference setting %	
oP06	min. reference forward	
oP07	min. reference reverse	
oP10	max. reference forward	
oP11	max. reference reverse	
oP14	abs. max. reference for	
oP15	abs. max. reference rev	
oP18	step value rot. source	
oP19	step value input sel. 1	
oP20	step value input sel. 2	
oP21	step value 1	
oP22	step value 2	
oP23	step value 3	
oP27	acc dec mode	
oP28	acc. time for.	
oP29	acc. time rev.	
oP30	dec. time for.	5,00 s
oP31	dec. time rev.	-1: = forward parameter
oP32	s-curve time acc. for.	0: off
oP33	s-curve time acc. rev.	-1: = forward parameter
oP34	s-curve time dec. for.	-1: = acc. parameter
oP35	s-curve time dec. rev.	-1: = forward parameter

New Parameterlist1 - Inverter:-1

	R / W	Set	Addr	ID	Parameter	Value	Remarks
0							

New Parameterlist1

No parameter information for type 2116/10516 available.
Add new inverter with matching type?

Yes No Cancel

!!!

Inverter: 0 Set adr. mode: Indirect Set pointer (Fr09): 0 Act. set (ru26): 0 Password: application password

KEB COMBIVIS 5 - New project :muenchen

File Edit View New Parameterlist1 Help

Project-explorer - New project

- New project
 - Node 0
 - Inverter parameter
 - ru: run parameter
 - op: operational parameter
 - pn: protection parameter
 - cs: control speed parameter
 - ds: drive spec. control para
 - uf: u/f parameter
 - dr: drive parameter
 - cn: control parameter
 - ec: encoder parameter
 - ud: user definition para.
 - fr: free programmable para.
 - an: analog I/O parameter
 - di: digital input parameter
 - do: digital output parameter
 - le: level parameter
 - ps: pos/syn parameter
 - in: information parameter
 - sy: system parameter
 - aa: adjustment assist. para.
 - pp: prog. parameter
 - Operator parameter
 - Work lists
 - Download lists
 - Scope files
 - Additional files
 - All linked files

Parameter list | Group properties

ID:	Name:	Value:
▶ oP00	reference source	
▶ oP01	rotation source	
▶ oP02	rotation setting	
▶ oP03	reference setting	
▶ oP05	reference setting %	
▶ oP06	min. reference forward	
▶ oP07	min. reference reverse	
▶ oP10	max. reference forward	
▶ oP11	max. reference reverse	
▶ oP14	abs. max. reference for	
▶ oP15	abs. max. reference rev	
▶ oP18	step value rot. source	
oP19	step value input sel. 1	
oP20	step value input sel. 2	
▶ oP21	step value 1	
▶ oP22	step value 2	
▶ oP23	step value 3	
▶ oP27	acc dec mode	
▶ oP28	acc. time for.	
▶ oP29	acc. time rev.	
▶ oP30	dec. time for.	5,00 s
▶ oP31	dec. time rev.	-1: = forward parameter
▶ oP32	s-curve time acc. for.	0: off
▶ oP33	s-curve time acc. rev.	-1: = forward parameter
▶ oP34	s-curve time dec. for.	-1: = acc. parameter
▶ oP35	s-curve time dec. rev.	-1: = forward parameter

D:\Präsentationen\Schulung\Application Stacker Crane1.dw5 - Node 0

123	R / W	Set	Addr	ID	Parameter	Value	Remarks
0	WA	I	0801h	Ud01	password	440	
1							
2	RW	I	0802h	Ud02	control type	4: F5-M / 4000 rpm	
3	WD	I	0901h	Fr01	copy parameter set	-4: KEBdef/cust+sys/all ...	
4							
5	RW	I	0006h	Sy06	inverter address	1	
6	RW	I	0007h	Sy07	baud rate ext. bus	5: 38,4 kBaud	
7							
8	WA	I	0909h	Fr09	indirect set pointer	0	
9							
10	RW	I	0300h	oP00	reference source	5: set speed value (sy.52)	Reference source fo
11	RW	I	030Ah	oP10	max. reference forward	2100,000 1/min	
12	RW	I	030Eh	oP14	abs. max. reference for	4000,000 1/min	
13	RW	I	0315h	oP21	step value 1	100,000 1/min	
14	RW	I	0316h	oP22	step value 2	-100,000 1/min	
15	RW	I	0317h	oP23	step value 3	0,000 1/min	

Inverter: 0 Set adr. mode: Indirect Set pointer (Fr09): 0 Act. set (ru26): 0 Password: application password



COMBIVIS 5 - New project :munchen

File Edit View Application Stacker Crane1.dw5 Windows Help

Project-explorer - New project

Download to Inverter

Application Stacker Crane1.dw5 - Node 0

Application Stacker Crane1.dw5

Process Download (write parameter list) to inverter Node 0 ?

Yes No

Application Stacker Crane1.dw5

Error writing to inverter
Entry 0
Sy02 inverter identifier=0844h
Invalid data

Ignore Cancel

ID:	Name:	Value	Remarks
oP00	reference source		
oP01	rotation source		
oP02	rotation setting		
oP03	reference setting		
oP05	reference setting %		
oP06	min. reference forward	0 WA I 0801h Ud01 password	440
oP07	min. reference reverse		
oP10	max. reference forward	2 RW I 0802h Ud02 control type	4: F5-M / 4000 rpm
oP11	max. reference reverse	3 WD I 0901h Fr01 copy parameter set	-4: KEBdef/cust+sys/all ...
oP14	abs. max. reference for	5 RW I 0006h Sy06 inverter address	1
oP15	abs. max. reference rev	6 RW I 0007h Sy07 baud rate ext. bus	5: 38.4 kBaud
oP18	step value rot. source	7 WA I 0909h Fr09 indirect set pointer	0
oP00	reference source	0300h oP00 reference source	5: set speed value (sy.52) Reference source fo
oP10	max. reference forward	030Ah oP10 max. reference forward	2100,000 1/min
oP14	abs. max. reference for	030Eh oP14 abs. max. reference for	4000,000 1/min
oP21	step value 1	0315h oP21 step value 1	100,000 1/min
oP22	step value 2	0316h oP22 step value 2	-100,000 1/min
oP23	step value 3	0317h oP23 step value 3	0,000 1/min
oP30	dec. time for.	5,00 s	
oP31	dec. time rev.	-1: = forward parameter	
oP32	s-curve time acc. for.	0: off	
oP33	s-curve time acc. rev.	-1: = forward parameter	
oP34	s-curve time dec. for.	-1: = acc. parameter	
oP35	s-curve time dec. rev.	-1: = forward parameter	

Inverter: 0 Set adr. mode: Indirect Set pointer (Fr09): 0 Act. set (ru26): 0 Password: application password

KEB COMBIVIS 5 - New project :munchen

File Edit View New Parameterlist1 Help

Project-explorer - New project

- New project
 - Node 0
 - Inverter parameter
 - ru: run parameter
 - op: operational parameter
 - pn: protection parameter
 - cs: control speed parameter
 - ds: drive spec. control para
 - uf: u/f parameter
 - dr: drive parameter
 - cn: control parameter
 - ec: encoder parameter
 - ud: user definition para.
 - fr: free programmable para.
 - an: analog I/O parameter
 - di: digital input parameter
 - do: digital output parameter
 - le: level parameter
 - ps: pos/syn parameter
 - in: information parameter
 - sy: system parameter
 - aa: adjustment assist.
 - pp: prog. parameter
 - Operator parameter
 - Work lists
 - Download lists
 - Scope files
 - Additional files
 - All linked files

Parameter list | Group properties

ID:	Name:	Value:
oP00	reference source	
oP01	rotation source	
oP02	rotation setting	
oP03	reference setting	
oP05	reference setting %	
oP06	min. reference forward	
oP07	min. reference reverse	
oP10	max. reference forward	
oP11	max. reference reverse	
oP14	abs. max. reference for	
oP15	abs. max. reference rev	
oP18	step value rot. source	
oP30	dec. time for.	5,00 s
oP31	dec. time rev.	-1: = forward parameter
oP32	s-curve time acc. for.	0: off
oP33	s-curve time acc. rev.	-1: = forward parameter
oP34	s-curve time dec. for.	-1: = acc. parameter
oP35	s-curve time dec. rev.	-1: = forward parameter

Application Stacker

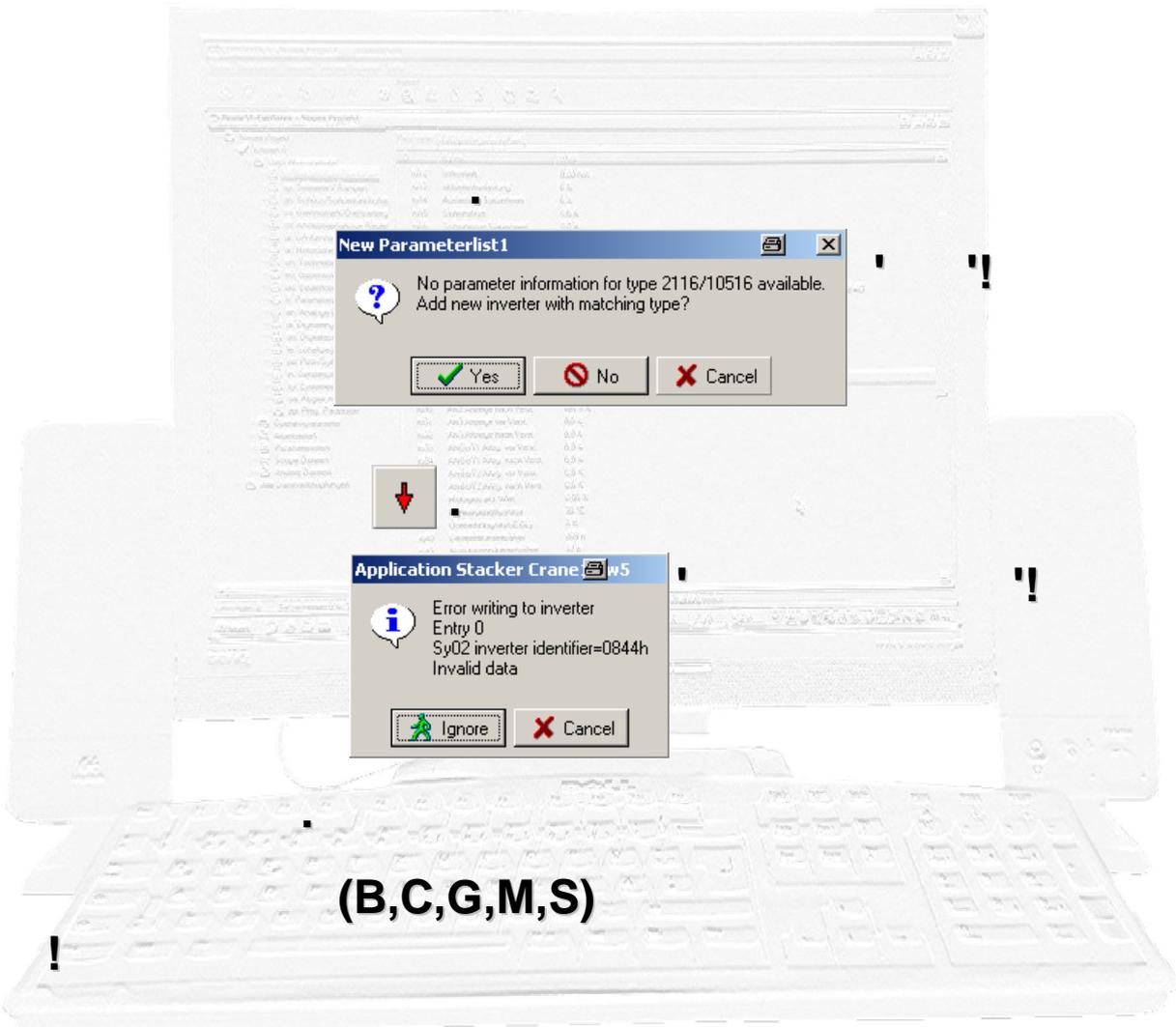
Up/Download finished.

Ok

123	R / W	Set	Addr	ID	Parameter	Value	Remarks
0	WA	I	0801h	Ud01	password	440	
1							
2	RW	I	0802h	Ud02	control type	4: F5-M / 4000 rpm	
3	WO	I	0901h	Fr01	copy parameter set	-4: KEBdef/cust+sys/all ...	
4							
5	RW	I	0006h	Sy06	inverter address	1	
6	RW	I	0007h	Sy07	baud rate ext. bus	5: 38,4 kBaud	
7							
8	WA	I	0909h	Fr09	indirect set pointer	0	
0300h				oP00	reference source	5: set speed value (sy.52)	Reference source fo
030Ah				oP10	max. reference forward	2100,000 1/min	
030Eh				oP14	abs. max. reference for	4000,000 1/min	
0315h				oP21	step value 1	100,000 1/min	
0316h				oP22	step value 2	-100,000 1/min	
0317h				oP23	step value 3	0,000 1/min	

Inverter: 0 | Set adr. mode: Indirect | Set pointer (Fr09): 0 | Act. set (ru26): 0 | Password: application password

-
-
-
-
-
-
-
-



Ud.02,

(B,C,G,M,S)

COMBIVIS 5 - New project :munichen

File Edit View Project-explorer Help

New project
New Parameterlist
New Worklist
Parameter saving

Open Strg+O
Save Strg+S
Save as
Open
Save project
Save project as
Copy project
Print Strg+P
Quit

Parameter list Group properties

ID:	Name:	Value	Remarks
ru00	inverter		
ru01	set value		
ru02	ramp out		
ru03	actual fr		
ru06	calculate		
ru07	actual value display		
ru09	encoder 1 speed		
ru10	encoder 2 speed		
ru11	set torque display		
ru12	actual torque display		
ru13	actual utilization		
ru14	peak utilization		
ru15	apparent current		
ru16	peak apparent current		
ru17	inverter	329 V	
ru18	voltage	0 V	
ru19	voltage	0: no input	
ru20	age	0: no input	
ru21	al state	2: C1	
ru22	intermittent input state	2: F1	
ru23	output condition state	2: O2	
ru24	state of output flags	0	
ru25	output terminal state	0.0 %	
ru26	active parameter set	0.0 %	
ru27	AN1 pre amplifier disp.		
ru28	AN1 post amplifier disp.		

Please select set order for the complete list:

Indirect Joined parameters Joined sets

The actual node contains operator parameters. Should they be added to the complete list?

Yes No

Edit node addr.
Select inverter for complete parameter saving
0 Node 0
Ok Cancel

Inverter: 0 Set adr. mode: Indirect Set pointer (Fr09): 0 Act. set (ru26): 0 Password: application password

COMBIVIS 5 - New project :munchen

File Edit View Project-explorer Help

Project-explorer - New project

- New project
 - Node 0
 - Inverter parameter
 - ru: run parameter
 - op: operational parameter
 - pn: protection parameter
 - cs: control speed parameter
 - ds: drive spec. control para
 - uf: u/f parameter
 - dr: drive parameter
 - cn: control parameter
 - ec: encoder parameter
 - ud: user definition para.
 - fr: free programmable para.
 - an: analog I/O parameter
 - di: digital input parameter
 - do: digital output parameter
 - le: level parameter
 - ps: pos/syn parameter
 - in: information parameter
 - sy: system parameter
 - aa: adjustment assist. para.
 - pp: prog. parameter
 - Operator parameter
 - Work lists
 - Download lists
 - Scope files
 - Additional files
 - All linked files

Parameter list | Group properties

ID:	Name:	3472	R / W	Set	Addr	ID	Parameter	Value	Remarks
ru00	inverter state	0	WA		0801h	Ud01	password	0	
ru01	set value display	1	WA		0909h	Fr09	indirect set pointer	0	
ru02	ramp output display	2	WA		0002h	Sy02	inverter identifier	2212: F5A-M/V4.00 400...	
ru03	actual frequency display	3							
ru06	calculated act. value	4	WA		0909h	Fr09	indirect set pointer	0	
ru07	actual value display	5	RO		0200h	ru00	inverter state	0: no operation	
ru09	encoder 1 speed	6	RO		0201h	ru01	set value display	0,000 1/min	
ru10	encoder 2 speed	7	RO		0202h	ru02	ramp output display	0,000 1/min	
ru11	set torque display	8	RO		0203h	ru03	actual frequency display	0,0000 Hz	
ru12	actual torque display	9	RO		0206h	ru06	calculated act. value	0,000 1/min	
ru13	actual utilization	10	RO		0207h	ru07	actual value display	0,000 1/min	
ru14	peak utilization	11	RO		0209h	ru09	encoder 1 speed	0,000 1/min	
ru15	apparent current	12	RO		020Ah	ru10	encoder 2 speed	0,000 1/min	
ru16	peak apparent current	13	RO		020Bh	ru11	set torque display	0,00 Nm	
ru17	active current	14	RO		020Ch	ru12	actual torque display	0,00 Nm	
ru18	actual DC voltage	15	RO		020Dh	ru13	actual utilization	0 %	
ru19	peak DC voltage							329 V	
ru20	output voltage							0 V	
ru21	input terminal state							0: no input	
ru22	internal input state							0: no input	
ru23	output condition state							2: C1	
ru24	state of output flags							2: F1	
ru25	output terminal state							2: O2	
ru26	active parameter set							0	
ru27	AN1 pre amplifier disp.							0,0 %	
ru28	AN1 post amplifier disp.							0,0 %	

New Parameterlist1 - Node 0

Up/Download finished.

Ok

Inverter: 0 | Set adr. mode: Indirect | Set pointer (Fr09): 0 | Act. set (ru26): 0 | Password: application password

COMBIVIS 5 - New project :muenchen

File Edit View Project-explorer Help

New Parameterlist 1 - Node 0

Project-explorer - New project

- New project
 - Node 0
 - Inverter parameter
 - ru: run parameter
 - op: operational parameter
 - pn: protection parameter
 - cs: control speed parameter
 - ds: drive spec. control para
 - uf: u/f parameter
 - dr: drive parameter
 - cn: control parameter

Parameter list

ID:	Name:	3472	R / W	Set	Addr	ID	Parameter	Value	Remarks
ru00	inverter state	0	WA		0801h	Ud01	password	0	
ru01	set value display	1	WA		0909h	Fr09	indirect set pointer	0	
ru02	ramp output display	2	WA		0002h	Sy02	inverter identifier	2212: F5A-M/V4.00 400...	
ru03	actual frequency display	3							
ru06	calculated act. value	4	WA		0909h	Fr09	indirect set pointer	0	
ru07	actual value display	5	RO		0200h	ru00	inverter state	0: no operation	
ru09	encoder 1 speed	6	RO		0201h	ru01	set value display	0,000 1/min	
ru10	encoder 2 speed	7	RO		0202h	ru02	ramp output display	0,000 1/min	
		8	RO		0203h	ru03	actual frequency display	0,0000 Hz	
		9	RO		0206h	ru06	calculated act. value	0,000 1/min	
			RO		0207h	ru07	actual value display	0,000 1/min	
			RO		0209h	ru09	encoder 1 speed	0,000 1/min	
			RO		020Ah	ru10	encoder 2 speed	0,000 1/min	
			RO		020Bh	ru11	set torque display	0,00 Nm	
			RO		020Ch	ru12	actual torque display	0,00 Nm	
			RO		020Dh	ru13	actual utilization	0 %	

Speichern unter

Speichern

- ARA Rummelsburg
- Atlantic Zeiser
- Barco Sedo
- Bharatbijlee
- brisoft
- Bürkle
- class
- dambach
- dätwyler
- dematic
- Fraunhofer
- glübker

Dateiname:

Dateityp:

ru26 active parameter set 0

ru27 AN1 pre amplifier disp. 0.0 %

ru28 AN1 post amplifier disp. 0.0 %

Inverter: 0 Set adr. mode: Indirect Set pointer (Fr09): 0 Act. set (ru26): 0 Password: application password



COMBIVIS 5 - New project :muenchen

File Edit View Default F5-M.dw5 Windows Help

Download to inverter
Upload from inverter
Complete list
Compress
Compare List
Settings

Project-explorer

- New project
- Node ()
- Inverter parameter
 - ru: run parameter
 - op: operational parameter
 - pn: protection parameter
 - cs: control speed parameter
 - ds: drive spec. control para
 - uf: u/f parameter
 - dr: drive parameter
 - cn: control parameter
 - ec: encoder parameter
 - ud: user definition para.
 - fr: free programmable para.
 - an: analog I/O parameter
 - di: digital input parameter
 - do: digital output parameter
 - le: level parameter
 - ps: pos/syn parameter
 - in: information parameter
 - sy: system parameter
 - aa: adjustment assist. para.
 - pp: prog. parameter
- Operator parameter
- Work lists
- Download lists
- Scope files
- Additional files
- All linked files

Parameter list Group properties Compare List

ID:	Name:	Value:
▶ oP00	reference source	
▶ oP01	rotation source	
▶ oP02	rotation setting	
▶ oP03	reference setting	
▶ oP05	reference setting %	
▶ oP06	min. reference forward	
▶ oP07	min. reference reverse	
▶ oP10	max. reference forward	
▶ oP11	max. reference reverse	
▶ oP14	abs. max. reference for	
▶ oP15	abs. max. reference rev	
▶ oP18	step value rot. source	
oP19	step value input sel. 1	
oP20	step value input sel. 2	
▶ oP21	step value 1	
▶ oP22	step value 2	
▶ oP23	step value 3	
▶ oP27	acc dec mode	
▶ oP28	acc. time for.	
▶ oP29	acc. time rev.	
▶ oP30	dec. time for.	2,00 s
▶ oP31	dec. time rev.	-1: = forward parameter
▶ oP32	s-curve time acc. for.	1,00 s
▶ oP33	s-curve time acc. rev.	-1: = forward parameter
▶ oP34	s-curve time dec. for.	-1: = acc. parameter
▶ oP35	s-curve time dec. rev.	-1: = forward parameter

D:\Präsentationen\Schulung\Default F5-M.dw5 - Node 0

3408	R / W	Set	Addr	ID	Parameter	Value	Remarks
0	WA	I	0801h	Ud01	password	0	
1	WA	I	0002h	Sy02	inverter identifier	2212: F5A-M/V4.00 400...	
2	RO	0	0200h	ru00	inverter state	0: no operation	
3	RO	0	0201h	ru01	set value display	0,000 1/min	
4	RO	0	0202h	ru02	ramp output display	0,000 1/min	
5	RO	0	0203h	ru03	actual frequency display	0,0000 Hz	
6	RO	0	0206h	ru06	calculated act. value	0,000 1/min	
7	RO	0	0207h	ru07	actual value display	0,000 1/min	
8	RO	0	0209h	ru09	encoder 1 speed	0,000 1/min	
9	RO	0	020Ah	ru10	encoder 2 speed	0,000 1/min	
10	RO	0	020Bh	ru11	set torque display	0,00 Nm	
11	RO	0	020Ch	ru12	actual torque display	0,00 Nm	
12	RO	0	020Dh	ru13	actual utilization	0 %	
13	RW	0	020Eh	ru14	peak utilization	0 %	
14	RO	0	020Fh	ru15	apparent current	0,0 A	
15	RW	0	0210h	ru16	peak apparent current	0,0 A	

Inverter: 0 Set adr. mode: Indirect Set pointer (Fr09): 0 Act. set (ru26): 0 Password: application password



The screenshot shows the KEB COMBIVIS 5 software interface. The main window displays a parameter list for 'Node 0' with columns for ID, Name, and Value. A dialog box titled 'Default F5-M.dw5' is open, asking 'Compare list with settings of inverter Node 0?' with 'Yes' and 'No' buttons. Another dialog box titled 'Default F5-M.dw5' is also open, showing 'Up/Download in progress...' with a progress bar at 39% and a 'Cancel' button. A data table is visible in the background, listing parameters and their values.

ID	Name	Value
oP00	reference source	
oP01	reference source	
oP02	reference setting	
oP03	reference setting	
oP04	reference setting %	
oP05	reference forward	
oP06	reference reverse	
oP07	max. reference forward	
oP11	max. reference reverse	
oP14	abs. max. reference for	
oP15	abs. max. reference rev	
oP26	acc. time for.	
oP29	acc. time rev.	
oP30	dec. time for.	2,00 s
oP31	dec. time rev.	-1: = forward parameter
oP32	s-curve time acc. for.	1,00 s
oP33	s-curve time acc. rev.	-1: = forward parameter
oP34	s-curve time dec. for.	-1: = acc. parameter
oP35	s-curve time dec. rev.	-1: = forward parameter

3408	R / W	Set	Addr	ID	Parameter	Value	Remarks
0	WA	I	0801h	Ud01	password	0	
1	WA	I	0002h	Sy02	inverter identifier	2212: F5A-M/V4.00 400...	
2	RO	0	0200h	ru00	inverter state	0: no operation	
3	RO	0	0201h	ru01	set value display	0,000 1/min	
4	RO	0	0202h	ru02	ramp output display	0,000 1/min	
5	RO	0	0203h	ru03	actual frequency display	0,0000 Hz	
6	RO	0	0206h	ru06	calculated act. value	0,000 1/min	
			0207h	ru07	actual value display	0,000 1/min	
			0209h	ru09	encoder 1 speed	0,000 1/min	
			020Ah	ru10	encoder 2 speed	0,000 1/min	
			020Bh	ru11	set torque display	0,00 Nm	
			020Ch	ru12	actual torque display	0,00 Nm	
			020Dh	ru13	actual utilization	0 %	
			020Eh	ru14	peak utilization	0 %	
			020Fh	ru15	apparent current	0,0 A	
			0210h	ru16	peak apparent current	0,0 A	

KEB COMBIVIS 5 - New project :muenchen

File Edit View Default F5-M.dw5 Windows Help

Project-explorer - New project

- New project
 - Node 0
 - Inverter parameter
 - ru: run parameter
 - op: operational parameter
 - pn: protection parameter
 - cs: control speed parameter
 - ds: drive spec. control para
 - uf: u/f parameter
 - dr: drive parameter
 - cn: control parameter
 - ec: encoder parameter
 - ud: user definition para.
 - fr: free programmable para.
 - an: analog I/O
 - di: digital input
 - do: digital output
 - le: level parameter
 - ps: pos/syn parameter
 - in: information
 - sy: system parameter
 - aa: adjustment
 - pp: prog. parameter
 - Operator parameter
 - Work lists
 - Download lists
 - Scope files
 - Additional files
 - All linked files

Parameter list | Group properties

ID:	Name:	Value:
▶ oP00	reference source	
▶ oP01	rotation source	
▶ oP02	rotation setting	
▶ oP03	reference setting	
▶ oP05	reference setting %	
▶ oP06	min. reference forward	
▶ oP07	min. reference reverse	
▶ oP10	max. reference forward	
▶ oP11	max. reference reverse	
▶ oP14	abs. max. reference for	
▶ oP15	abs. max. reference rev	
▶ oP29	acc. time rev.	
▶ oP30	dec. time for.	2,00 s
▶ oP31	dec. time rev.	-1: = forward parameter
▶ oP32	s-curve time acc. for.	1,00 s
▶ oP33	s-curve time acc. rev.	-1: = forward parameter
▶ oP34	s-curve time dec. for.	-1: = acc. parameter
▶ oP35	s-curve time dec. rev.	-1: = forward parameter

Default F5-M.dw5

Up/Download in progress...

100%

Cancel

Up/Download finished.

Ok

3408	R / W	Set	Addr	ID	Parameter	Value	Remarks
0	WA	I	0801h	Ud01	password	0	
1				02	inverter identifier	2212: F5A-M/V4.00 400...	
2				10	inverter state	0: no operation	
3				11	set value display	0,000 1/min	
4				12	ramp output display	0,000 1/min	
5				13	actual frequency display	0,0000 Hz	
6				16	calculated act. value	0,000 1/min	
				17	actual value display	0,000 1/min	
				19	encoder 1 speed	0,000 1/min	
				10	encoder 2 speed	0,000 1/min	
				11	set torque display	0,00 Nm	
				12	actual torque display	0,00 Nm	
				13	actual utilization	0 %	
				14	peak utilization	0 %	
				15	apparent current	0,0 A	
				16	peak apparent current	0,0 A	

Inverter: 0 | Set adr. mode: Indirect | Set pointer (Fr09): 0 | Act. set (ru26): 0 | Password: application password

KEB COMBIVIS 5 - New project :muenchen

File Edit View Default F5-M.dw5 Windows Help

Project-explorer - New project

- New project
 - Node 0
 - Inverter parameter
 - ru: run parameter
 - op: operational parameter
 - pn: protection parameter
 - cs: control speed parameter
 - ds: drive spec. control para
 - uf: u/f parameter
 - dr: drive parameter
 - cn: control parameter
 - ec: encoder parameter
 - ud: user definition para.
 - fr: free programmable para.
 - an: analog I/O parameter
 - di: digital input parameter
 - do: digital output parameter
 - le: level parameter
 - ps: pos/syn parameter
 - in: information parameter
 - sy: system parameter
 - aa: adjustment assist. para.
 - pp: prog. parameter
 - Operator parameter
 - Work lists
 - Download lists
 - Scope files
 - Additional files
 - All linked files

Parameter list | Group properties

ID:	Name:	Value:
▶ oP00	reference source	
▶ oP01	rotation source	
▶ oP02	rotation setting	
▶ oP03	reference setting	
▶ oP05	reference setting %	
▶ oP06	min. reference forward	
▶ oP07	min. reference reverse	
▶ oP10	max. reference forward	
▶ oP11	max. reference reverse	
▶ oP14	abs. max. reference for	
▶ oP15	abs. max. reference rev	
▶ oP18	step value rot. source	
oP19	step value input sel. 1	
oP20	step value input sel. 2	
▶ oP21	step value 1	
▶ oP22	step value 2	
▶ oP23	step value 3	
▶ oP27	acc dec mode	
▶ oP28	acc. time for.	
▶ oP29	acc. time rev.	
▶ oP30	dec. time for.	
▶ oP31	dec. time rev.	
▶ oP32	s-curve time acc. for.	
▶ oP33	s-curve time acc. rev.	
▶ oP34	s-curve time dec. for.	
▶ oP35	s-curve time dec. rev.	

New Parameterlist1 - Node 0

624	R / W	Set	Addr	ID	Parameter	Value	Remarks
11	RO	0	0229h	ru41	modulation on counter	149 h	
12	RO	0	022Dh	ru45	act. switching frequency	4: 16 kHz	
13	RO	0	022Fh	ru47	act.torque limit mot.	0,08 Nm	
14	RO	0	0230h	ru48	act.torque limit gen.	0,08 Nm	
15	RO	0	0231h	ru49	ref. torque	10,92 Nm	
16	RO	0	0238h	ru59	rotor adaption factor	100 %	
17	RO	0	0244h	ru68	rated DC voltage	316 V	
18	RO	0	0247h	ru71	teach/scan position	1073741823 Inc	
19	RO	0	0250h	ru80	digital output state	2: 02	
20							
21	RW	0	0300h	oP00	reference source	5: set speed value (sy.52)	
22	RW	0	031Ch	oP28	acc. time for.	2,00 s	
23	RW	0	031Eh	oP30	dec. time for.	2,00 s	
24	RW	0	0320h	oP32	s-curve time acc. for.	1,00 s	
25							
26	RW	0	0419h	Pn25	LD voltage	375 V	

Inverter: 0 | Set adr. mode: Indirect | Set pointer (Fr09): 0 | Act. set (ru26): 0 | Password: application password

Combivis

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Inverter-Scope

The screenshot displays the KEB COMBIVIS 5 software interface. The main window is titled "KEB COMBIVIS 5 - New project :munchen". It features a menu bar (File, Edit, View, Project-explorer, Help) and a toolbar. A "Project-explorer" pane on the left shows a tree view of the project structure, including "Node 0" and various parameter types like "Inverter parameter", "Operator parameter", and "Work lists".

The central area contains a "parameter list" table with columns for ID, Name, and Value. A "Scope" window is overlaid on this table, displaying a graph of parameter values over time. The graph has a time axis labeled "X (ms/Division)" and a value axis with a scale of 1000. The graph shows a series of horizontal lines representing constant parameter values over time.

ID	Name	Value
oP00	reference source	5: set speed value (sy.52)
oP01	rotation source	7: reference, no LS
oP02	rotation setting	0: low speed
oP03	reference setting	0,000 1/min
oP05	reference setting %	0,0 %
oP06	min. reference forward	0,000 1/min
oP07	min. reference reverse	-1: = forward pa
oP10	max. reference forward	2100,000 1/min
oP11	max. reference reverse	-1: = forward pa
oP14	abs. max. reference for	4000,000 1/min
oP15	abs. max. reference rev	-1: = forward pa
oP18	step value rot. source	7: reference, nc
oP19	step value input sel. 1	16: I1
oP20	step value input sel. 2	32: I2
oP21	step value 1	100,000 1/min
oP22	step value 2	-100,000 1/min
oP23	step value 3	0,000 1/min
oP27	acc dec mode	0: FACC const.
oP28	acc. time for.	2,00 s
oP29	acc. time rev.	-1: = forward pa
oP30	dec. time for.	2,00 s
oP31	dec. time rev.	-1: = forward pa
oP32	s-curve time acc. for.	1,00 s
oP33	s-curve time acc. rev.	-1: = forward parameter
oP34	s-curve time dec. for.	-1: = acc. parameter
oP35	s-curve time dec. rev.	-1: = forward parameter

At the bottom of the interface, there is a status bar with the following information: Inverter: 0, Set adr. mode: Indirect, Set pointer (Fr09): 0, Act. set (ru26): 0, Password: application password.

(Online)

COMBIVIS 5 - New project muenchen

File Edit View Scope Windows Help

Scope - Node 0

X (ms/Division) 1000

A B C D

Settings

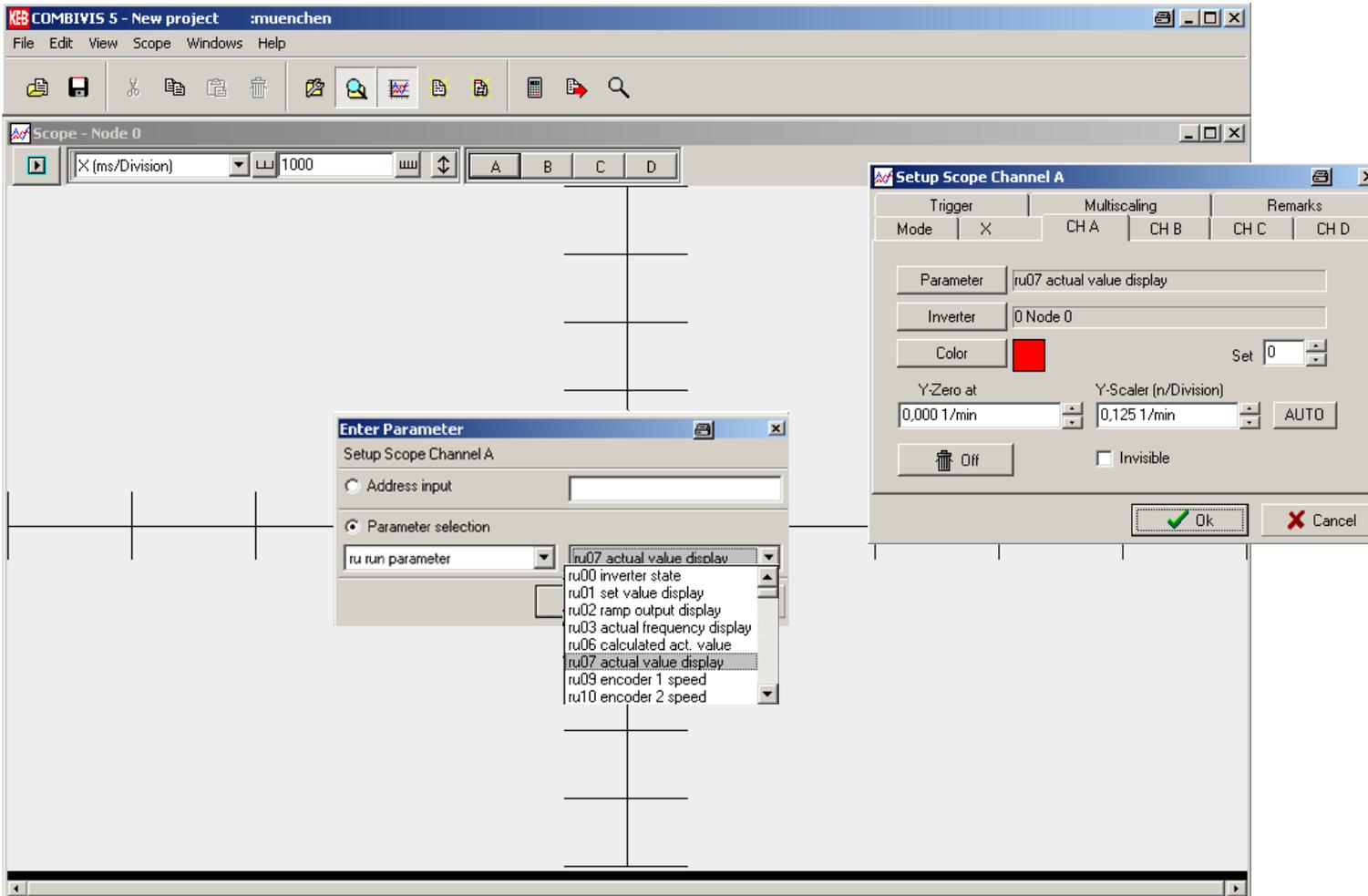
Trigger		Multiscaling		Remarks	
Mode	X	CH A	CH B	CH C	CH D
	1000				
	999999999 ms				Maximum store time
	1 ms				Scan time
<input type="checkbox"/>	Paint over				
<input type="text"/>	Background color	<input type="text"/>	Grid color		

Ok Cancel

1ms.

The screenshot displays the KEBCOMBIVIS software interface. The main window is titled "COMBIVIS 5 - New project :muenchen" and contains a menu bar (File, Edit, View, Scope, Windows, Help) and a toolbar. Below the toolbar is the "Scope - Node 0" window, which shows a grid for channel setup. A yellow callout box labeled "Setup Scope Channel A" points to the "A" column header. Two dialog boxes are open:

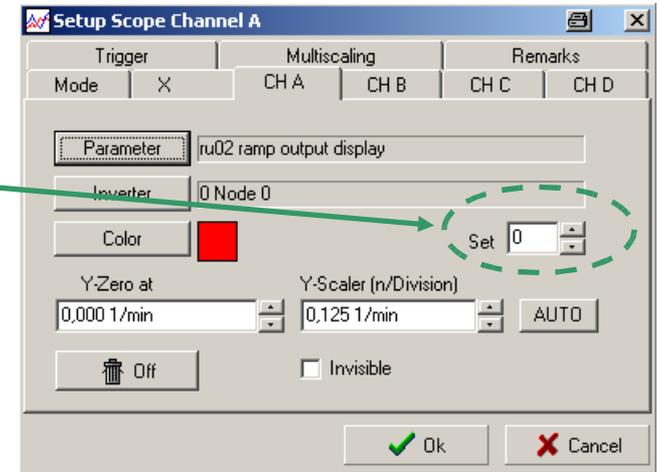
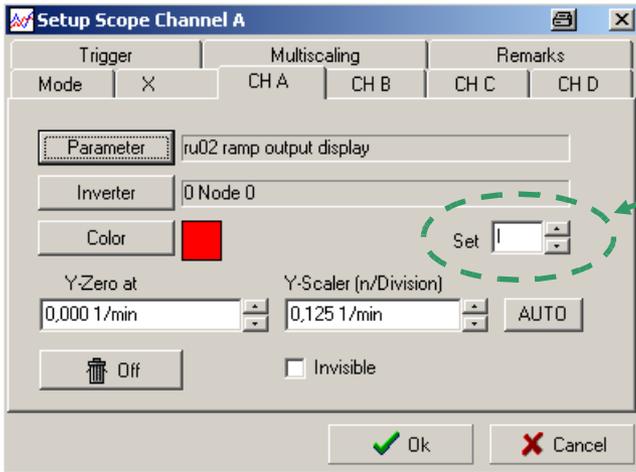
- Enter Parameter**: This dialog is used to select a parameter for the scope channel. It has two radio buttons: "Address input" and "Parameter selection". Under "Parameter selection", a list of parameters is shown, with "ru00 inverter state" selected. The "ru run parameter" dropdown is also visible. "Ok" and "Cancel" buttons are at the bottom.
- Setup Scope Channel A**: This dialog configures the channel's trigger and scaling. It includes:
 - Trigger Mode**: Set to "X".
 - Multiscaling**: A table with columns for CH A, CH B, CH C, and CH D.
 - Parameter**: Set to "(Channel off)".
 - Inverter**: Set to "0 Node 0".
 - Color**: A red color swatch.
 - Set**: A numeric input field set to "0".
 - Y-Zero at**: A numeric input field set to "0".
 - Y-Scaler (n/Division)**: A numeric input field set to "1" with an "AUTO" button.
 - Off** and **Invisible** checkboxes.
 - Ok** and **Cancel** buttons at the bottom.



The screenshot displays the KEBCOMBIVIS 5 software interface. The main window is titled "COMBIVIS 5 - New project" and shows a scope window with a grid and a time scale of 1000 ms/Division. Two dialog boxes are open:

- Setup Scope Channel A:** This dialog box is used to configure the scope channel. It includes a table for Trigger, Multiscaling, and Remarks. The Parameter is set to "ru07 actual value display", the Inverter is "0 Node 0", and the Color is red. The Y-Zero at is set to "0,000 1/min" and the Y-Scaler (n/Division) is "0,125 1/min".
- Enter Parameter:** This dialog box is used to select a parameter. It shows a list of parameters under the "ru run parameter" category, with "ru07 actual value display" selected.

Trigger	Multiscaling		Remarks		
Mode	X	CH A	CH B	CH C	CH D
Parameter	ru07 actual value display				
Inverter	0 Node 0				
Color	[Red Box]				Set 0
Y-Zero at	0,000 1/min		Y-Scaler (n/Division)		AUTO
				0,125 1/min	
				<input type="checkbox"/> Invisible	



(Fr.09).



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'Parameter'.

'OK' .

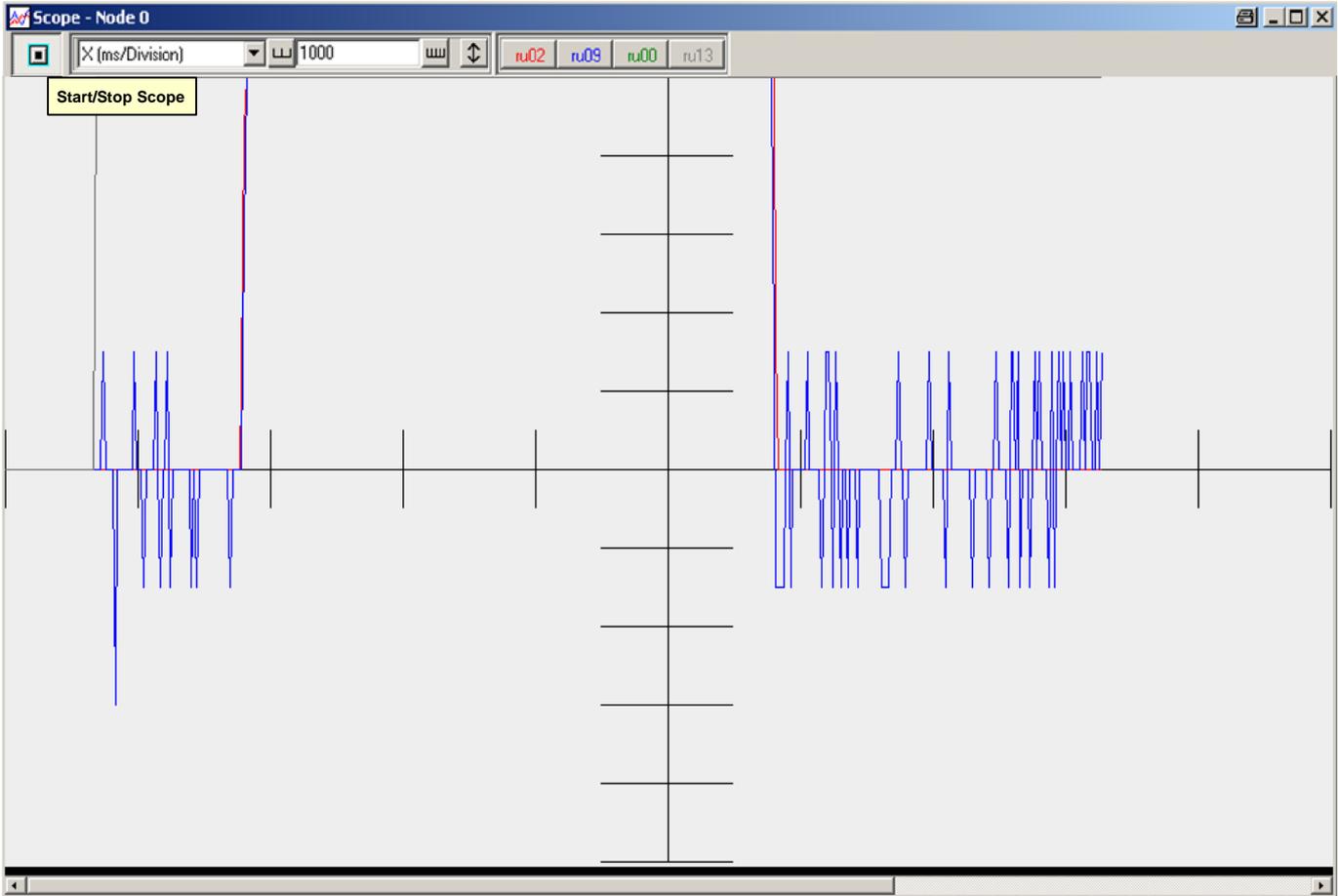
'OK',

A ... D

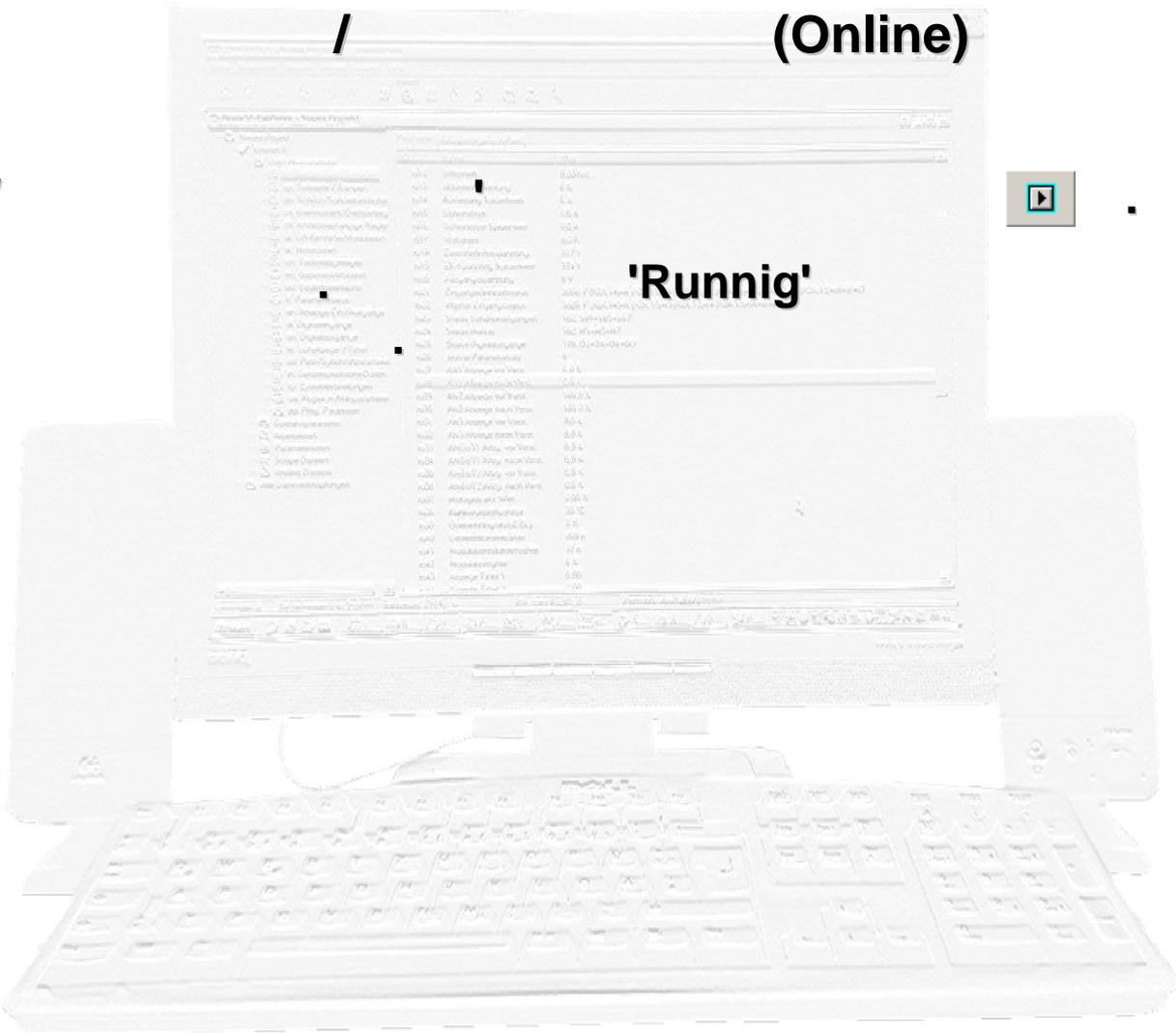
Drag&Drop.



/ (Online)

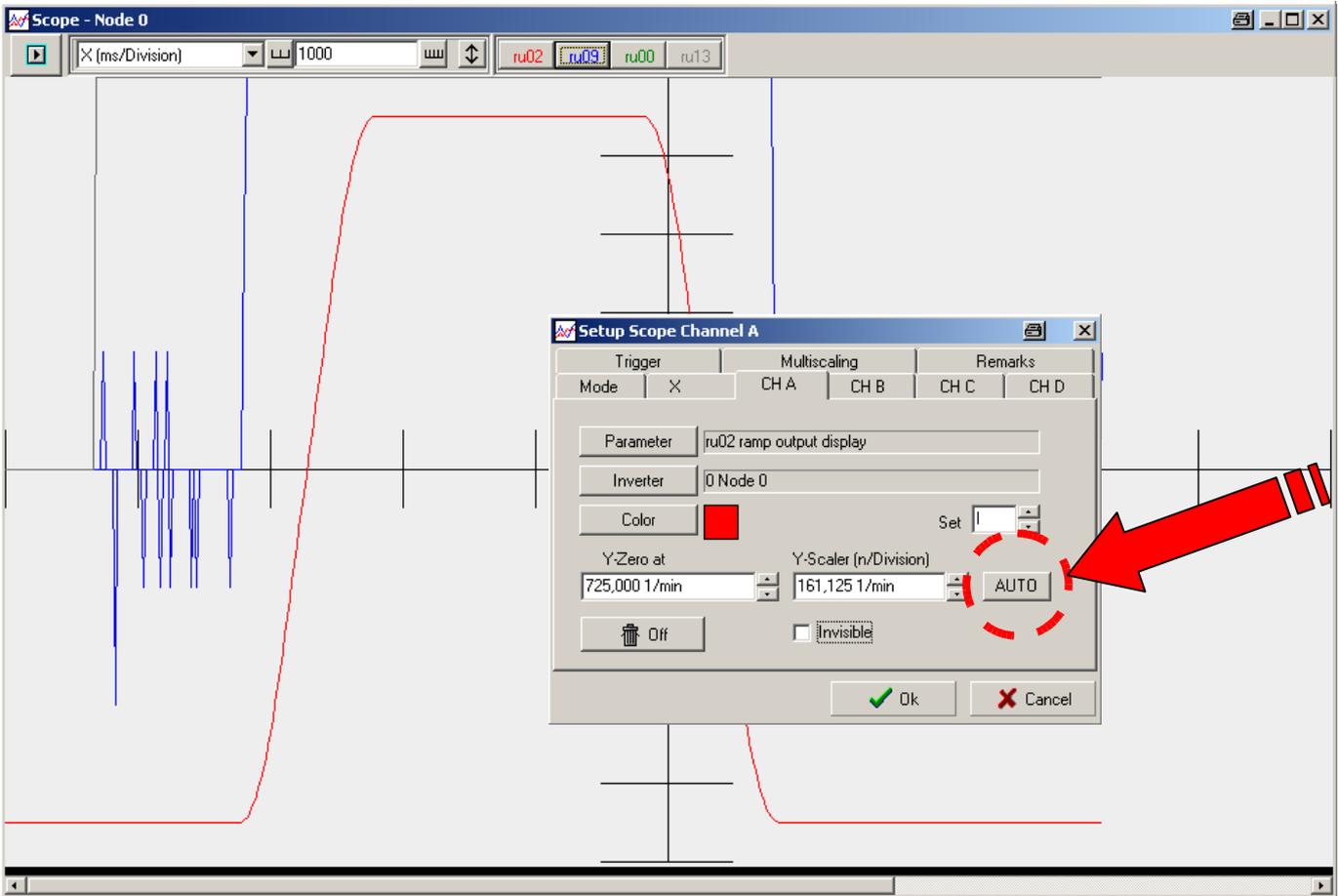


(Online)

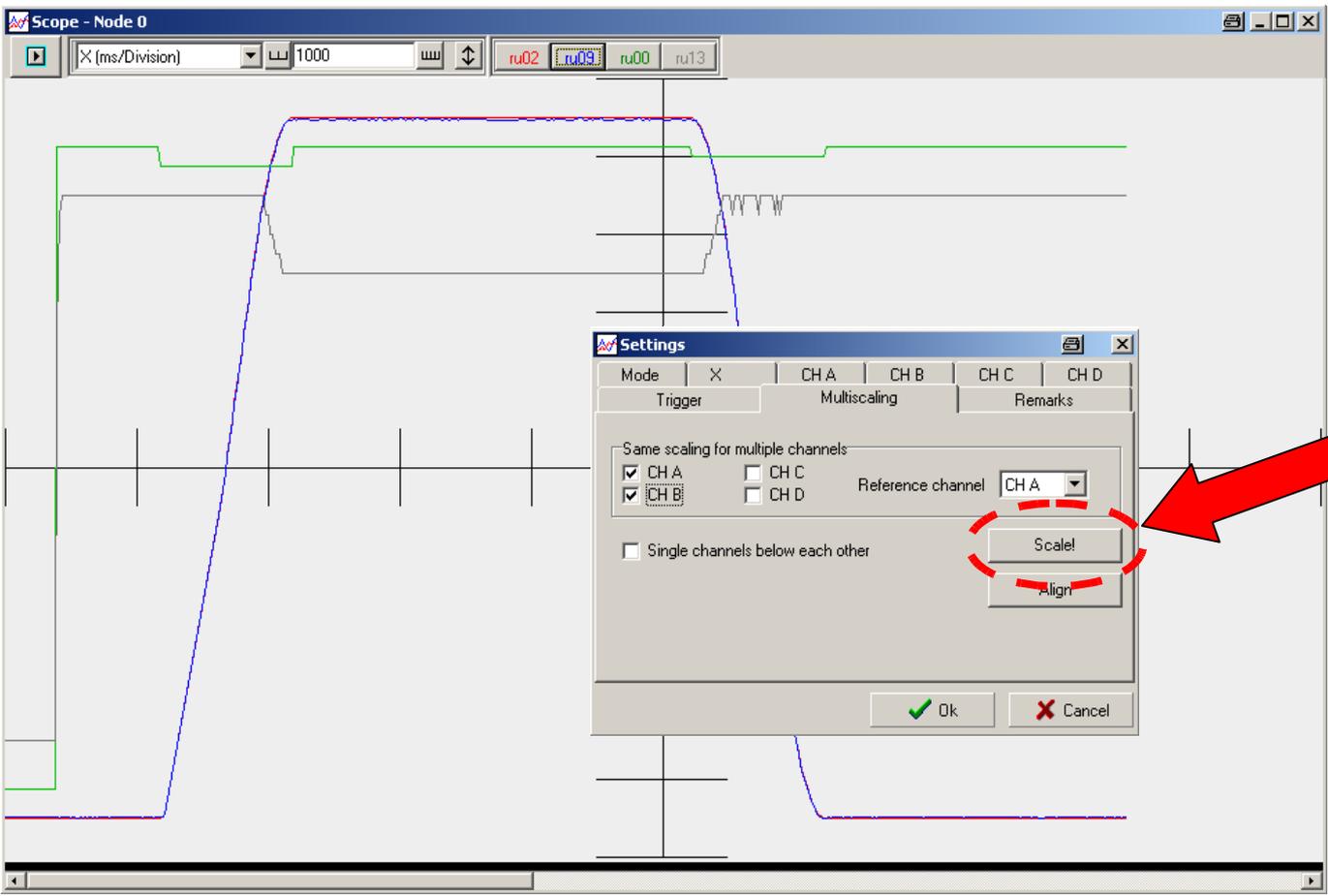


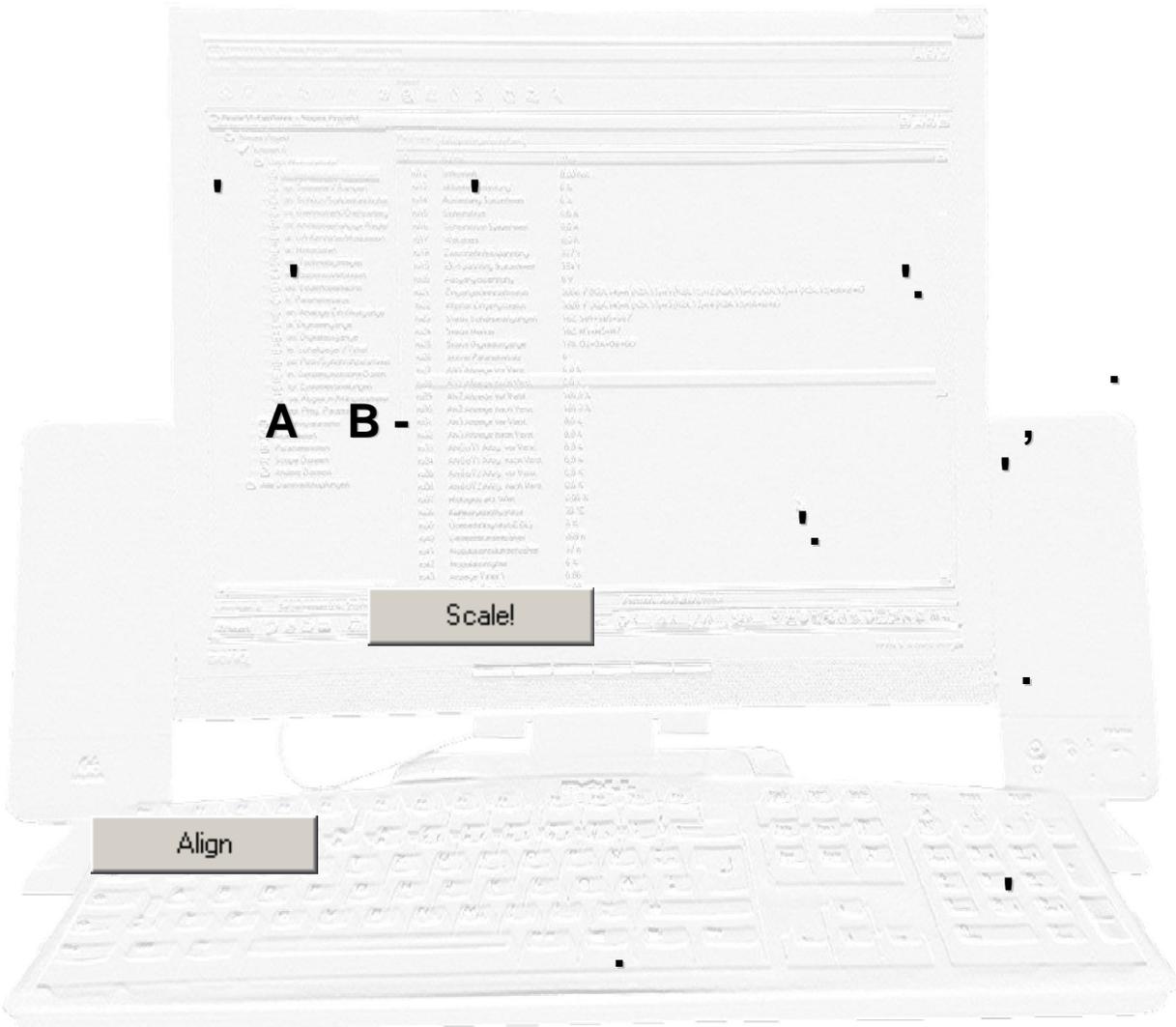
'Runnig'







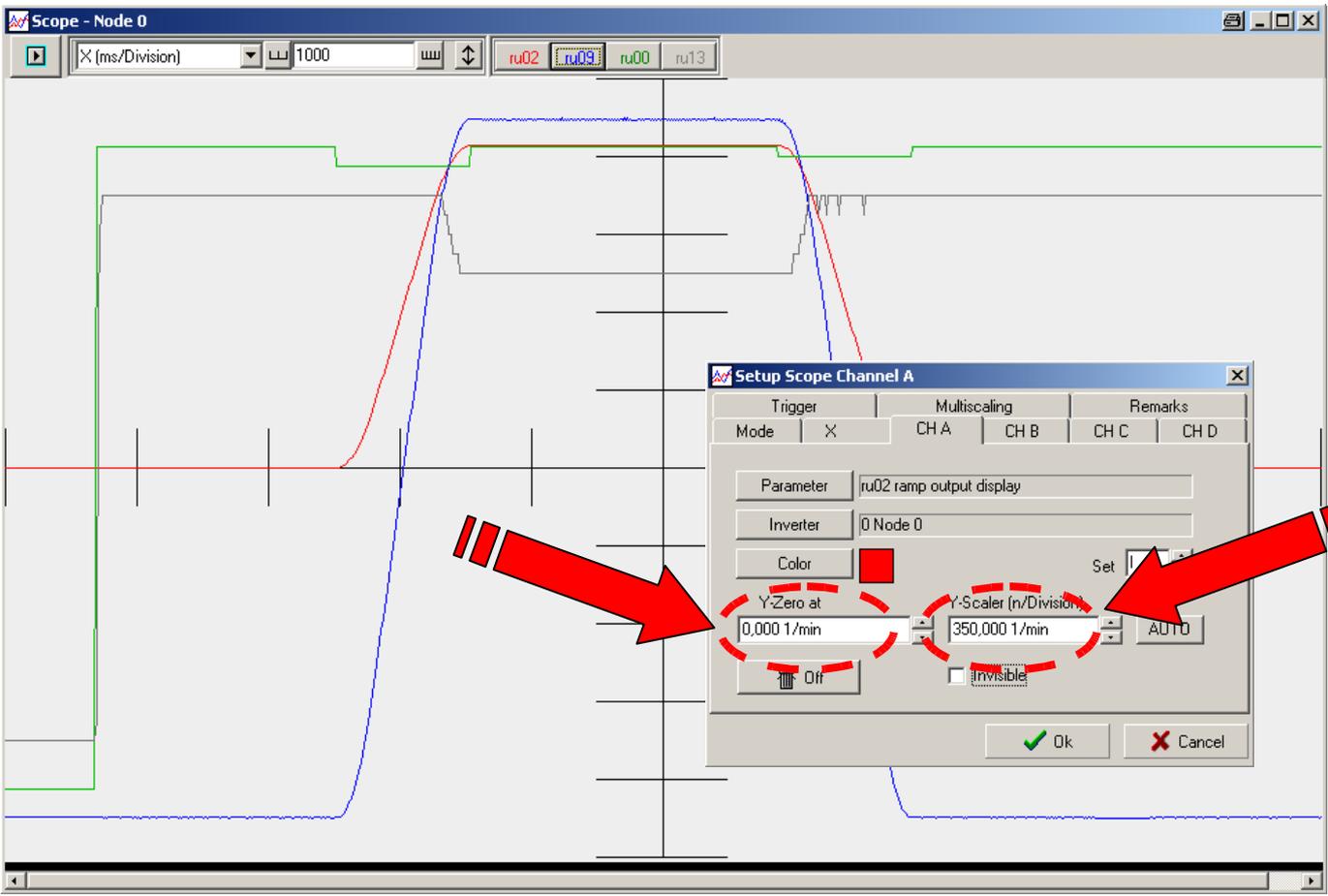




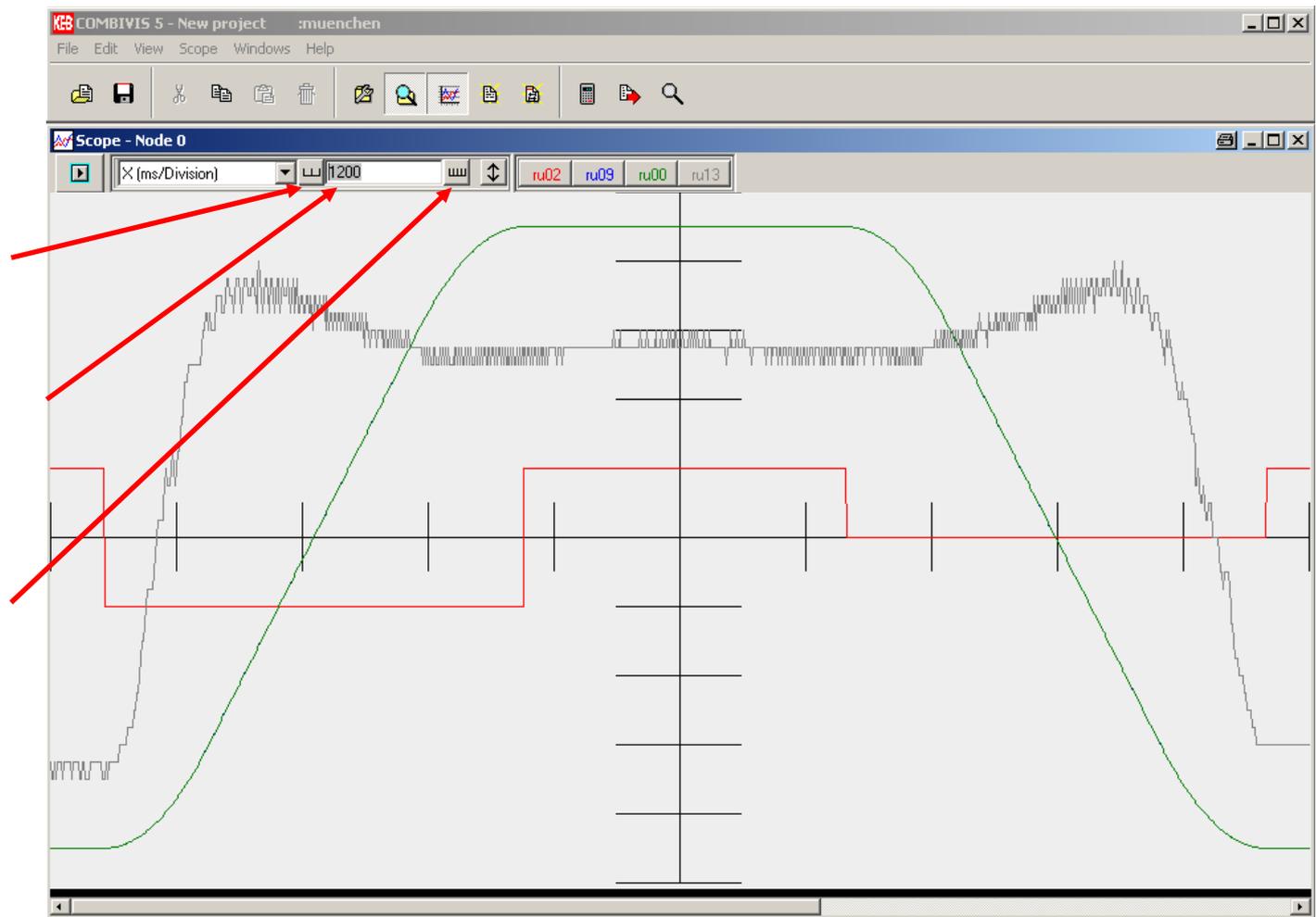
A B

Scale!

Align

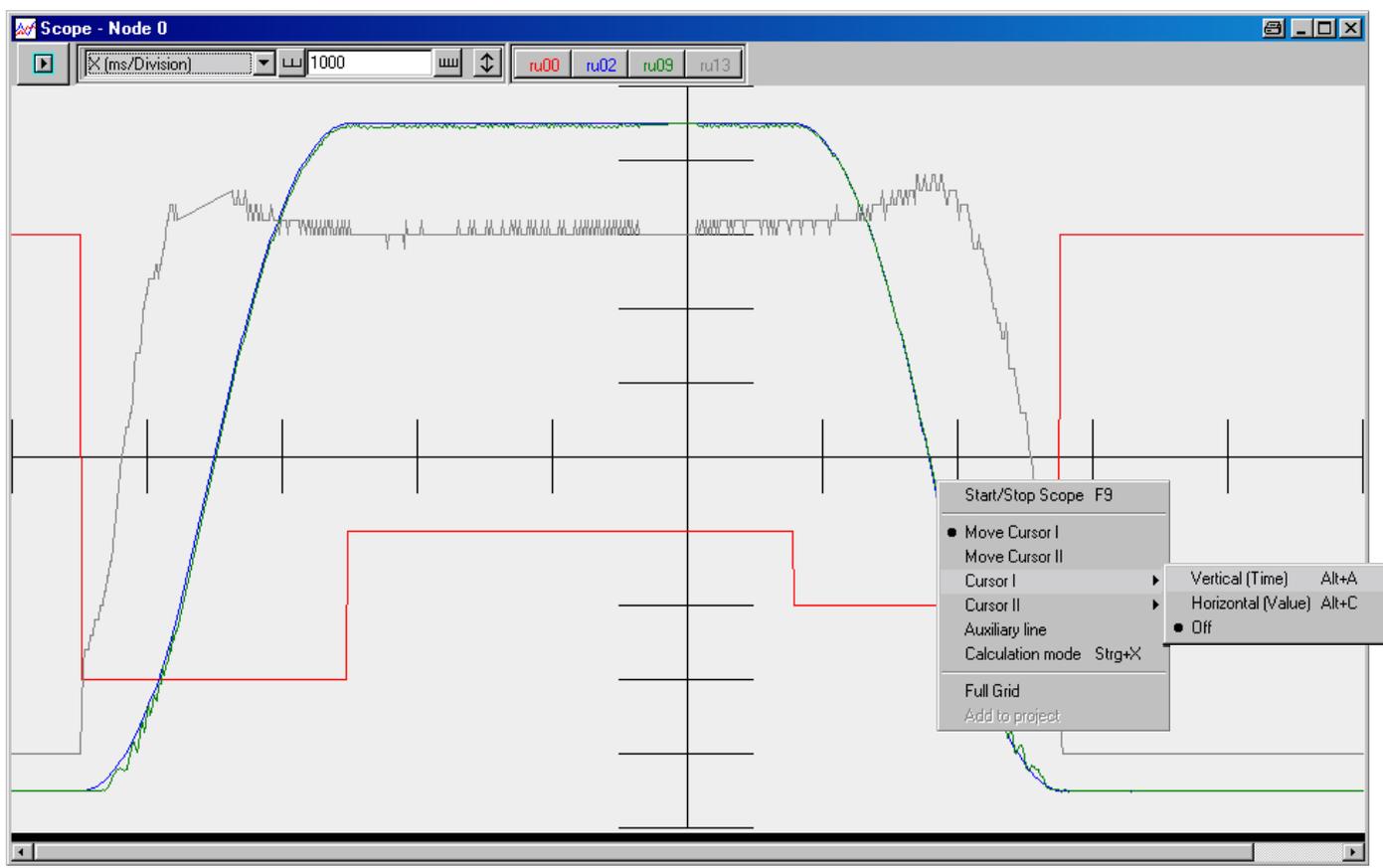




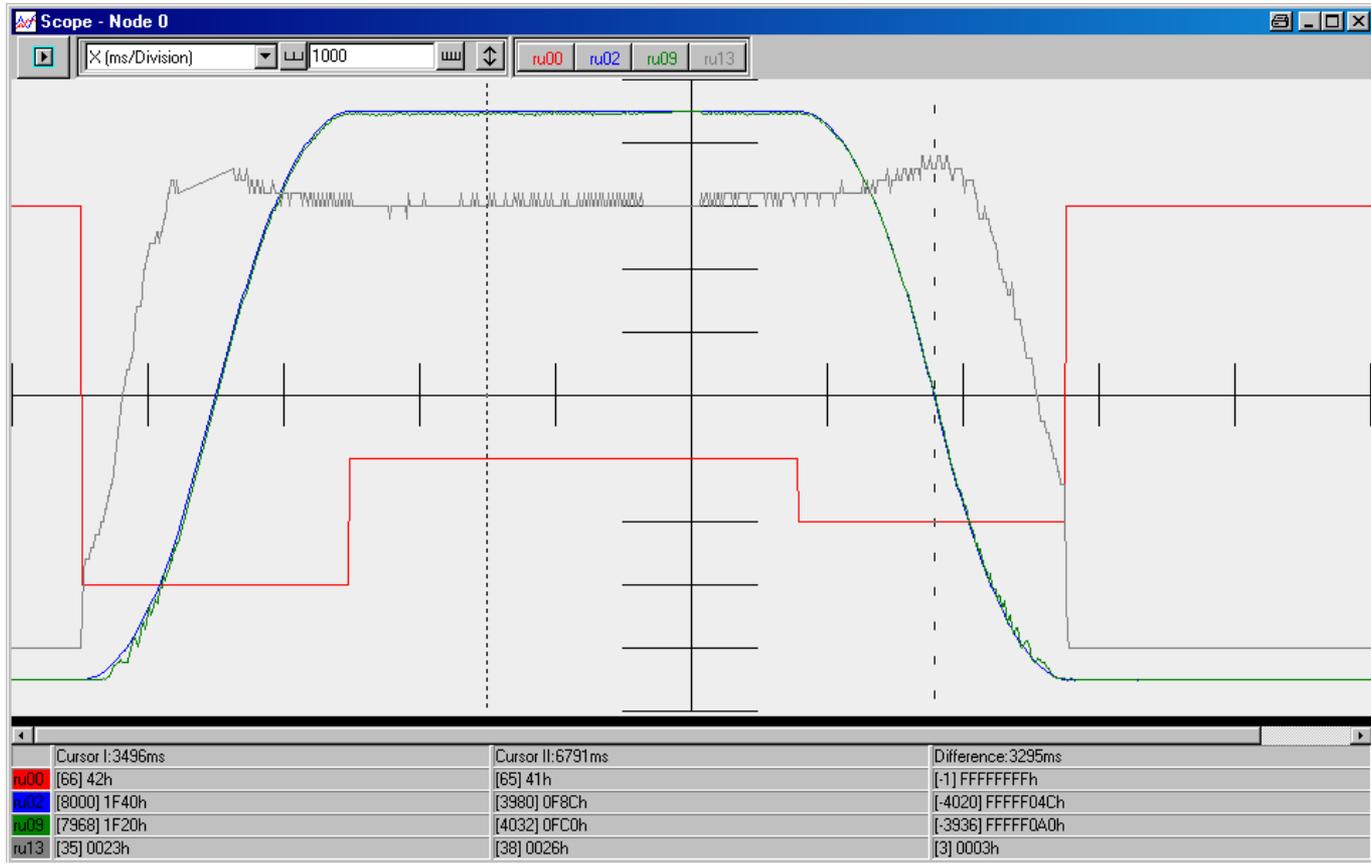


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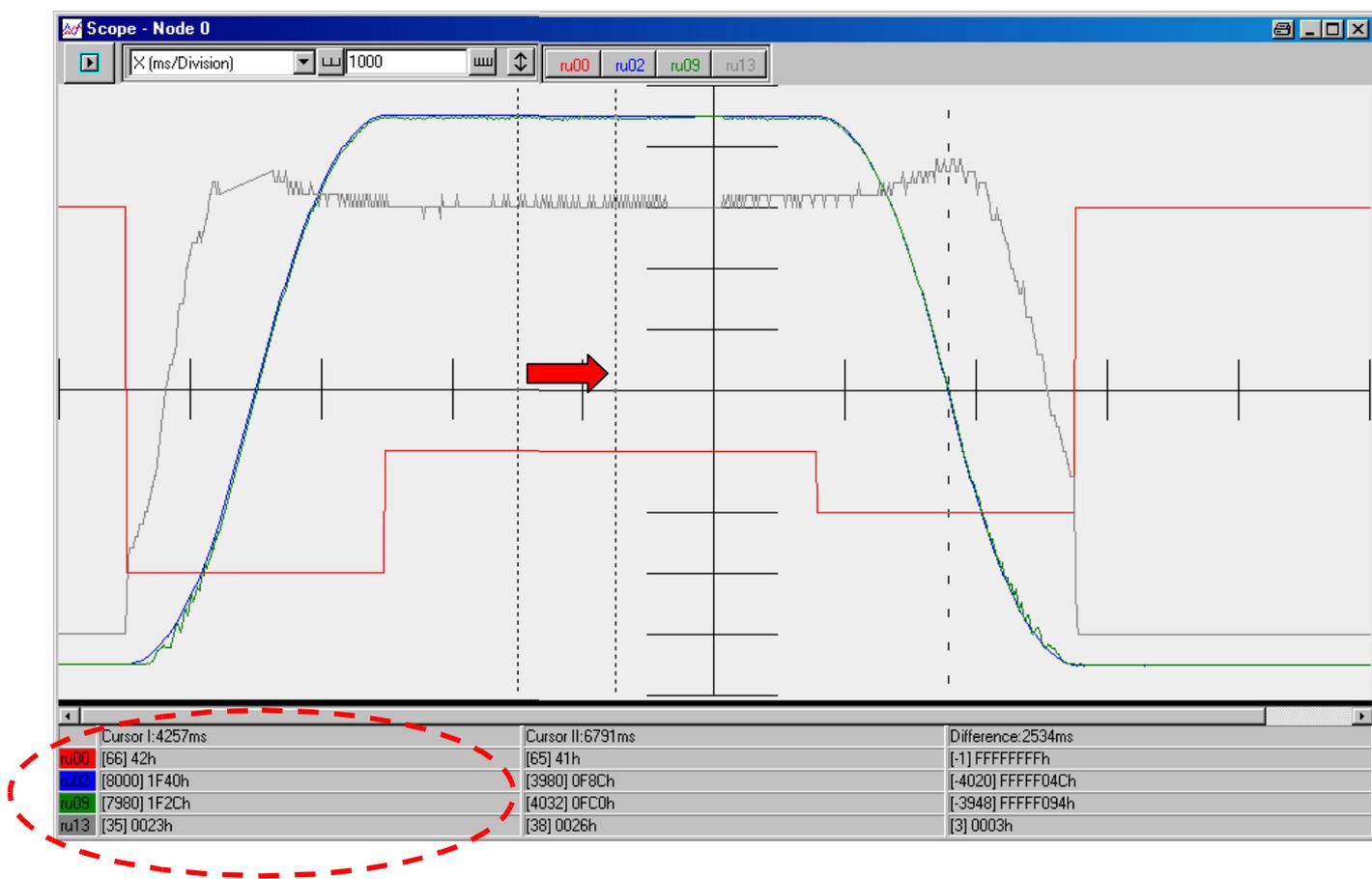


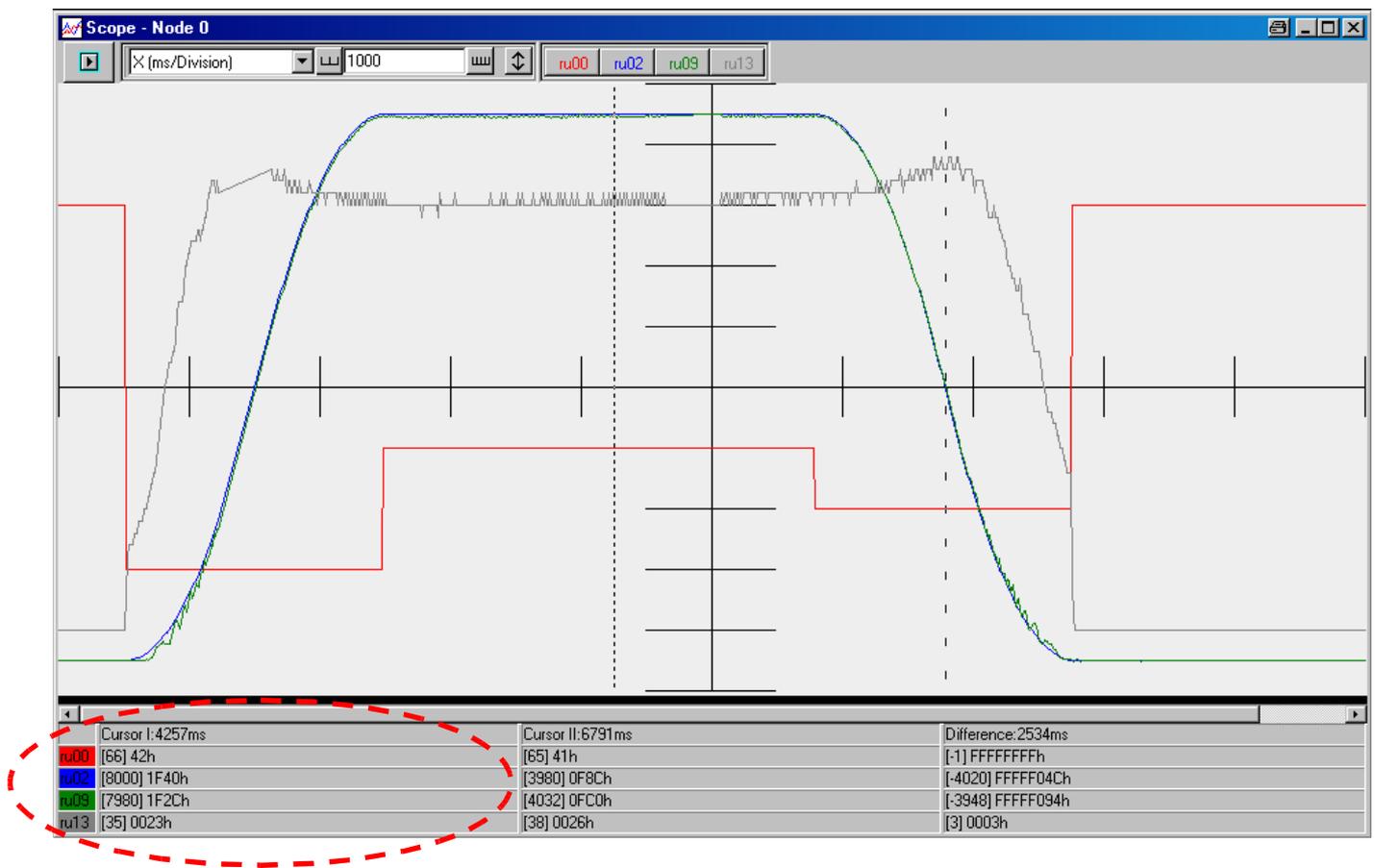


KEB Combivis



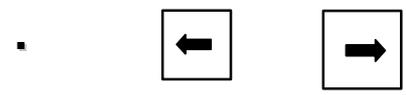


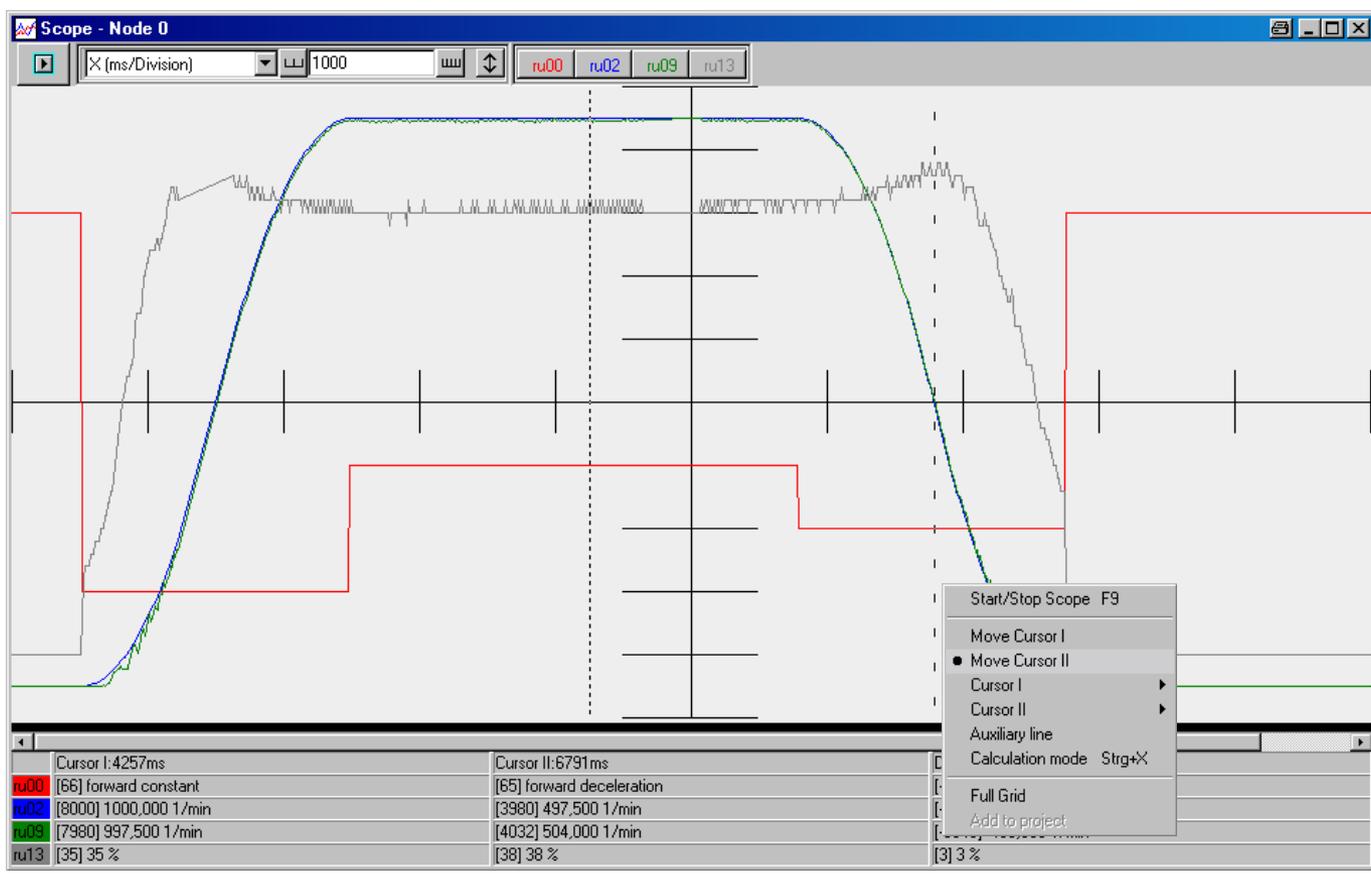




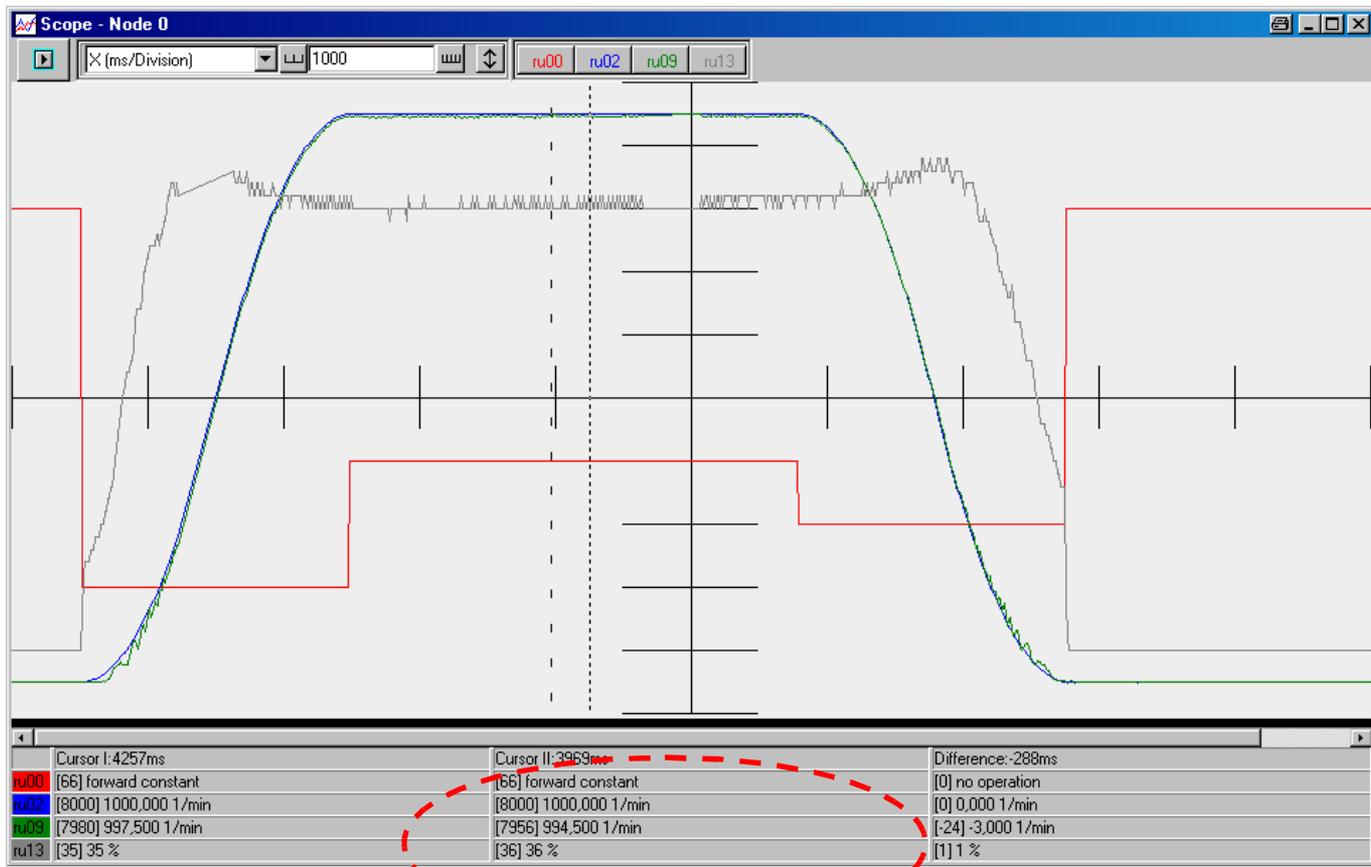
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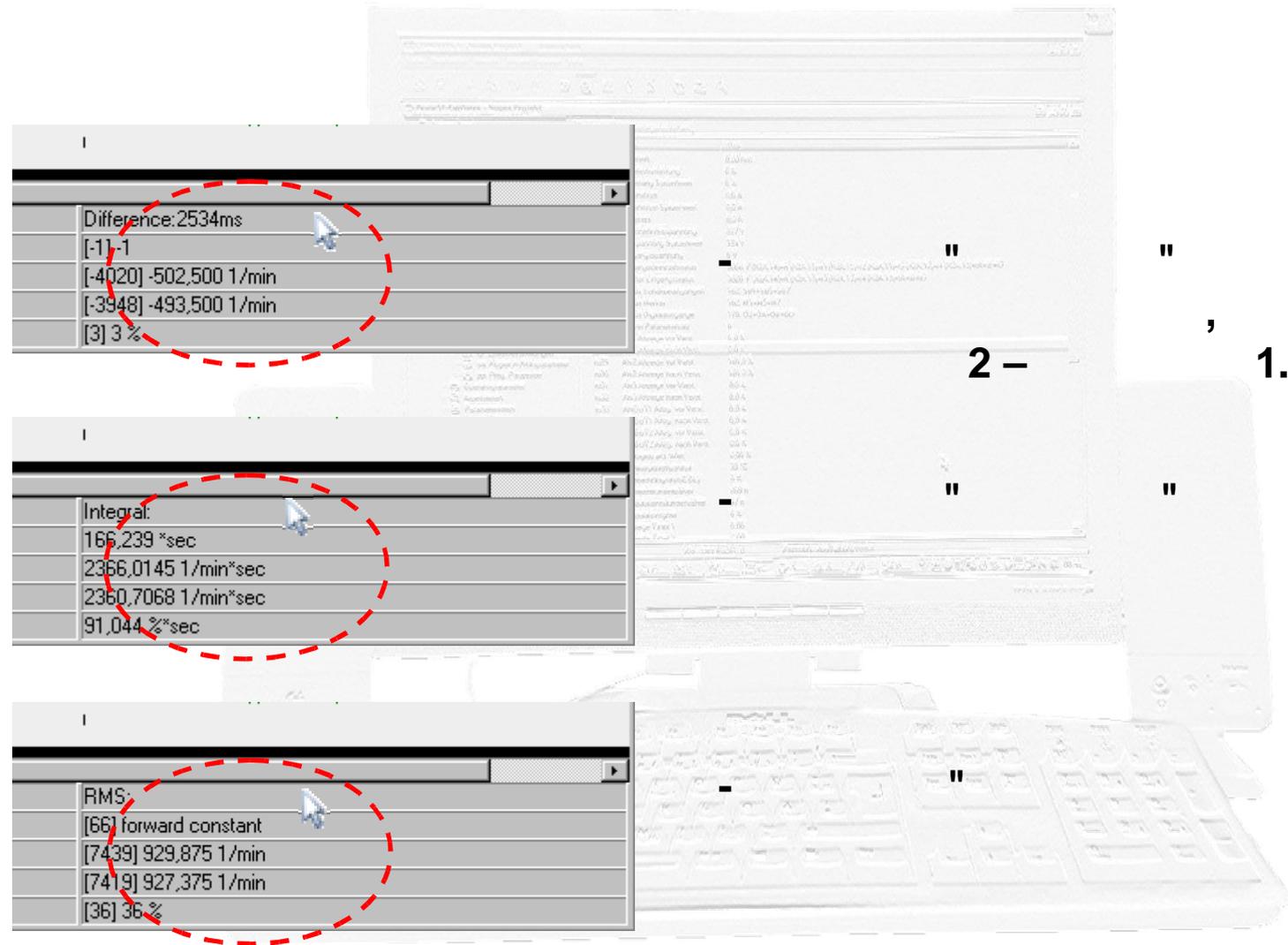


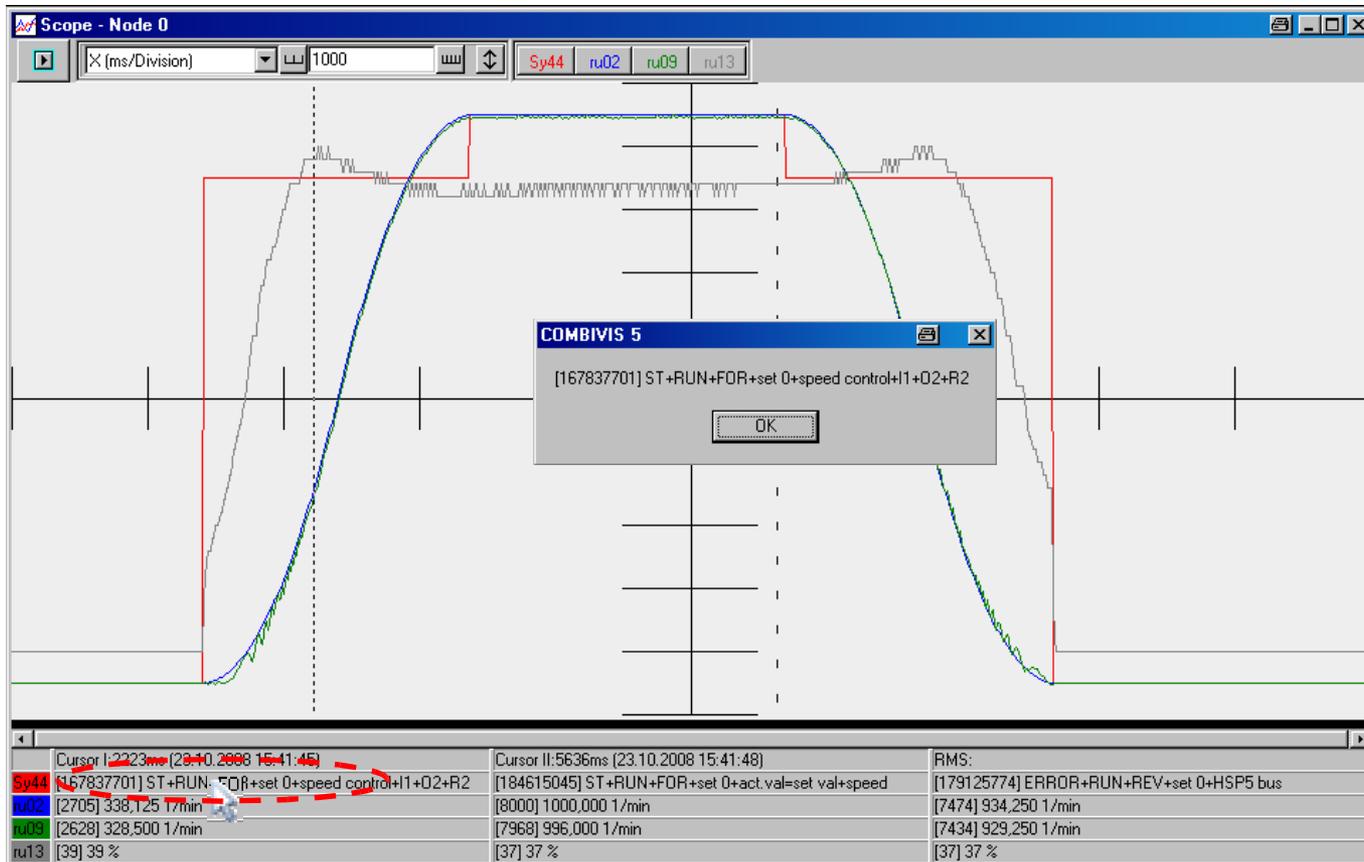




KEB Combivis







KEB Combivis

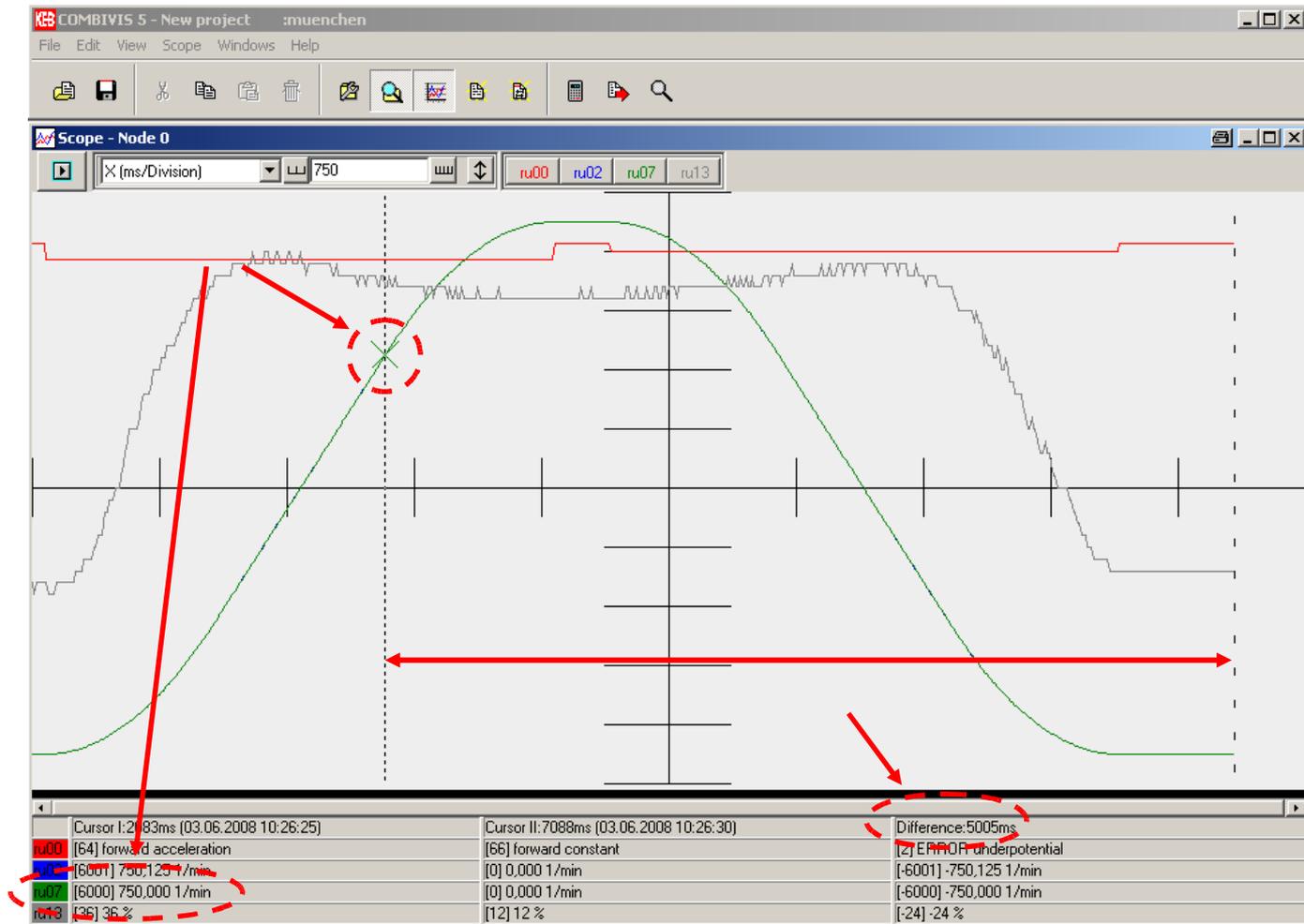


(Online)

Cursor I: 585ms (19.05.2008 10:49:20) Cursor II: 2016ms (19.05.2008 10:49:21) Differenz: 1431ms

ru00	[0] keine Reglerfreigabe	[0] keine Reglerfreigabe	[0] keine Reglerfreigabe
ru02	[0] 0,000 1/min	[0] 0,000 1/min	[0] 0,000 1/min
ru07	[0] 0,000 1/min	[0] 0,000 1/min	[0] 0,000 1/min
ru13	[0] 0 %	[0] 0 %	[0] 0 %

(Online)

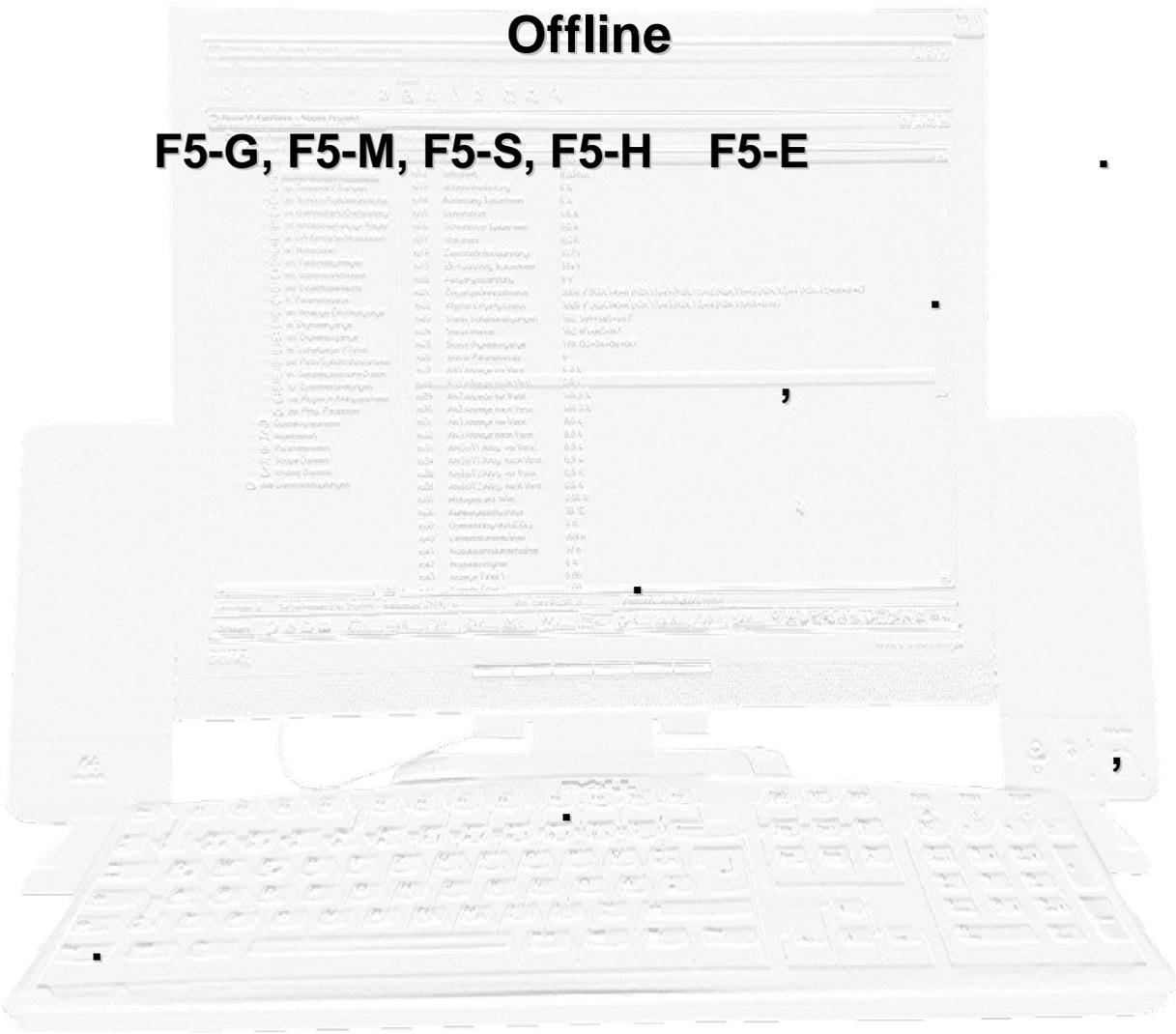




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Offline

F5-G, F5-M, F5-S, F5-H F5-E



Offline

COMBIVIS 5 - New project :muenchen

File Edit View Scope Windows Help

Scope - Node 0

X (ms/Division) 1000 ru02 ru09 ru00 ru13

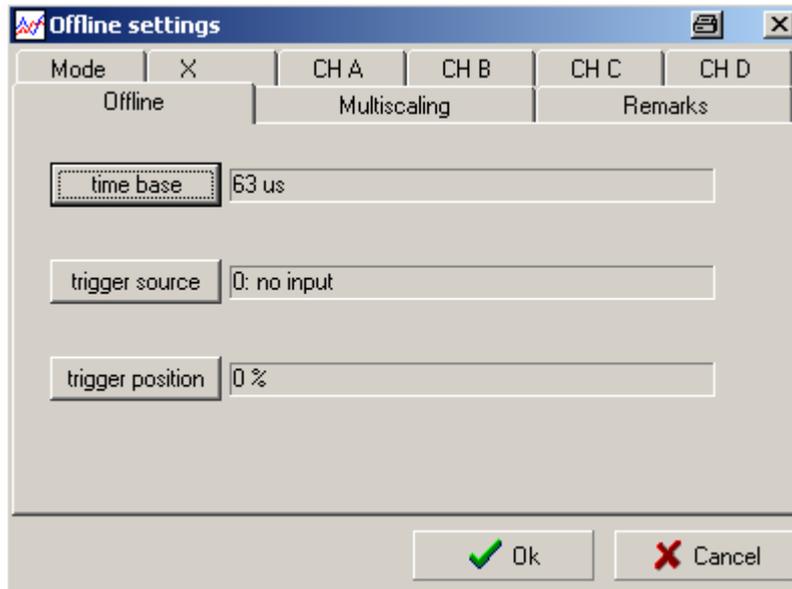
Settings

Settings

Offline	Multiscaling		Remarks	
Mode	CH A	CH B	CH C	CH D
<input type="radio"/> ONLINE-Read data directly from inverter				
<input checked="" type="radio"/> OFFLINE-Store data in inverter and then readout				
<input type="checkbox"/> XY-Mode				
Channel for X-axis:				
CHA				

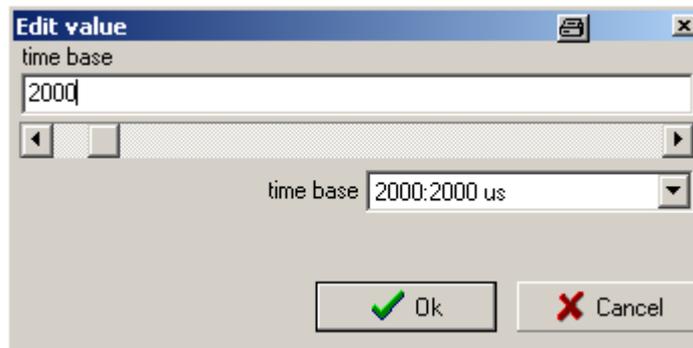
Ok Cancel

Offline



- **Online.**

• **63 μ s**
32000 μ s



Offline

Offline settings

Mode	X	CH A	CH B	CH C	CH D
Offline		Multiscaling		Remarks	

time base: 2000: 2000 us

trigger source: 0: no input

trigger position: 0 %

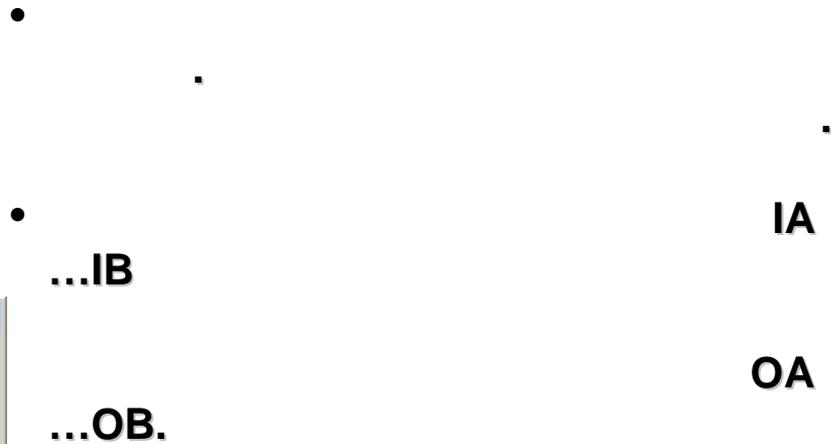
Edit value

trigger source

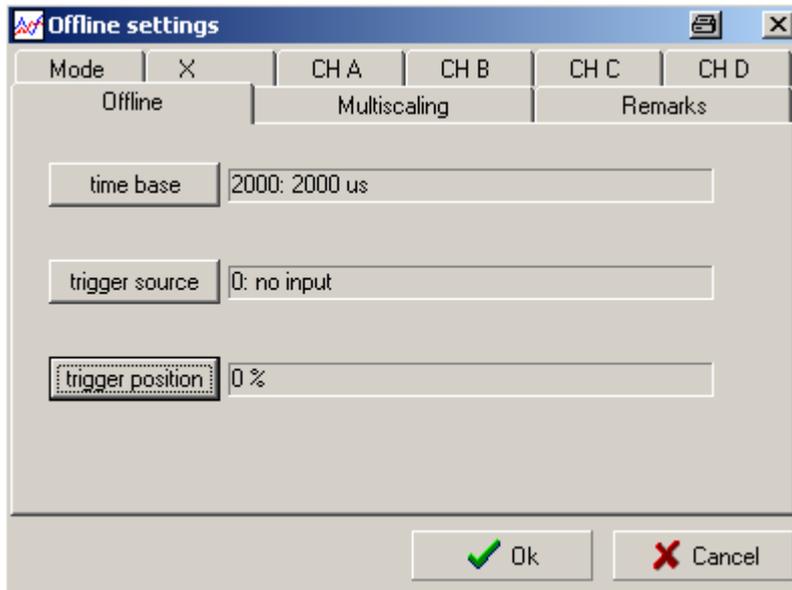
256: IA

- 1:ST
- 2:RST
- 4:F
- 8:R
- 16:I1
- 32:I2
- 64:I3
- 128:I4
- 256:IA
- 512:IB
- 1024:IC
- 2048:ID

Ok Cancel



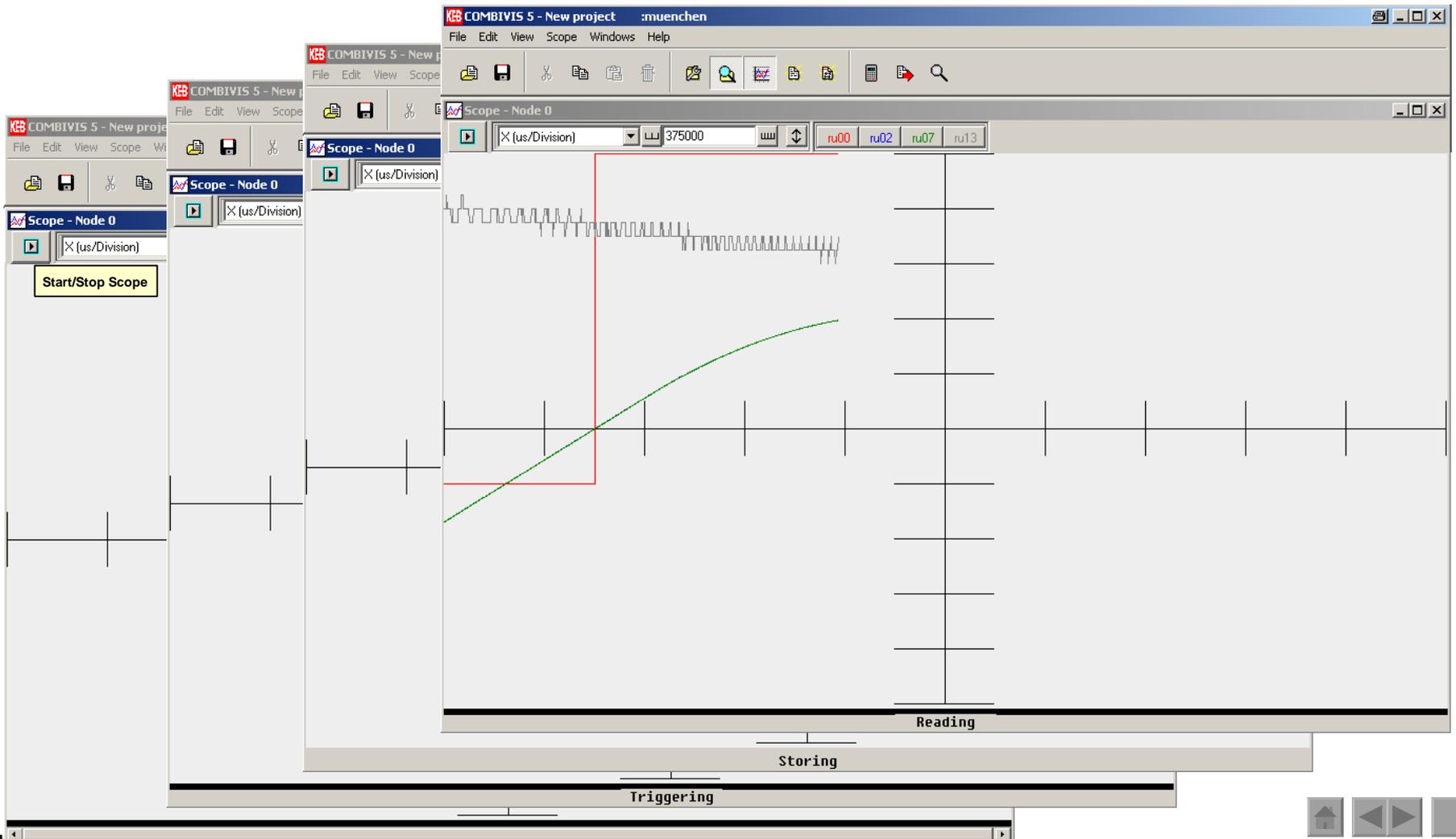
Offline

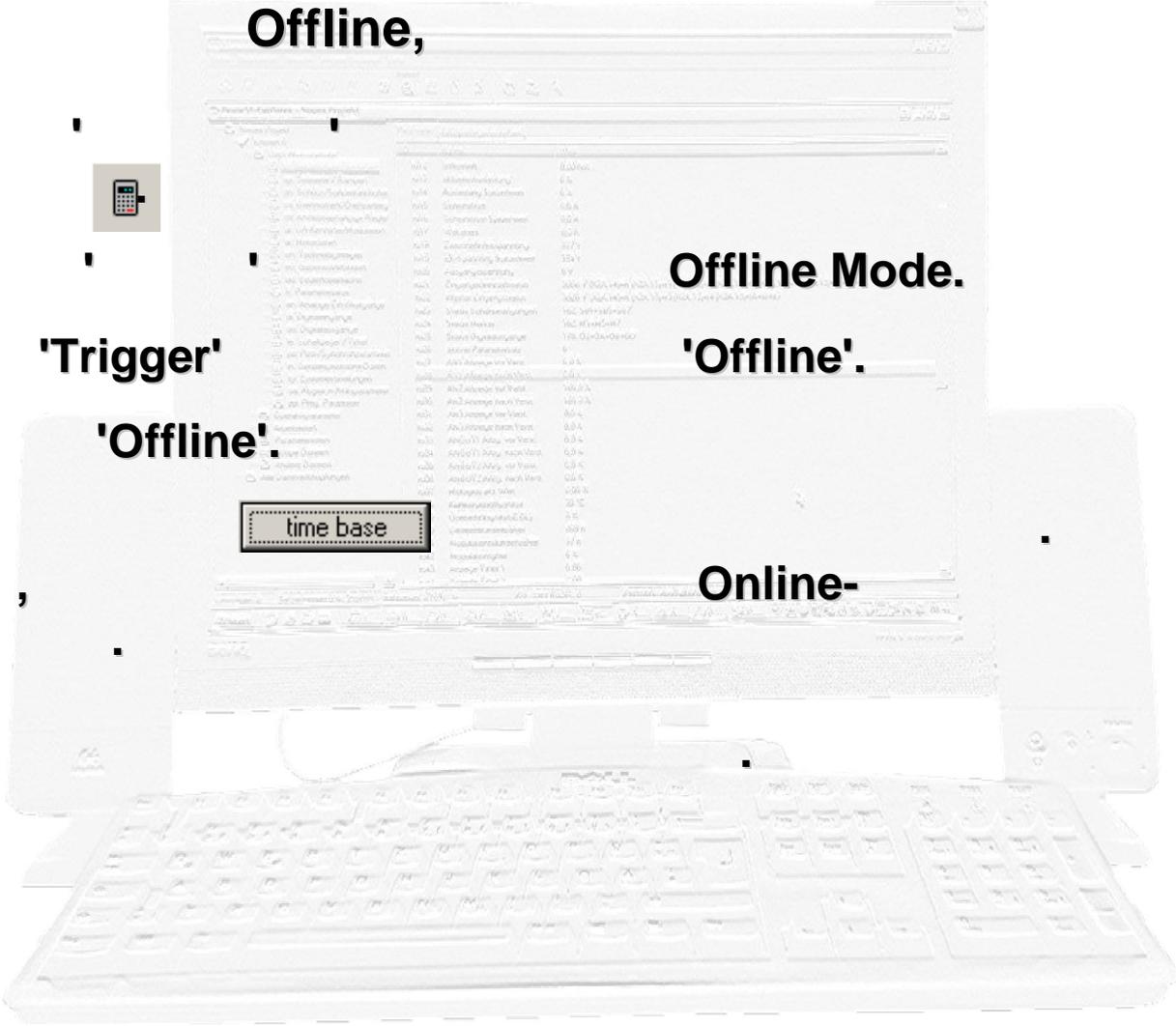


- ,
- : 30%
- 30 %
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Offline





Offline,



'Trigger'

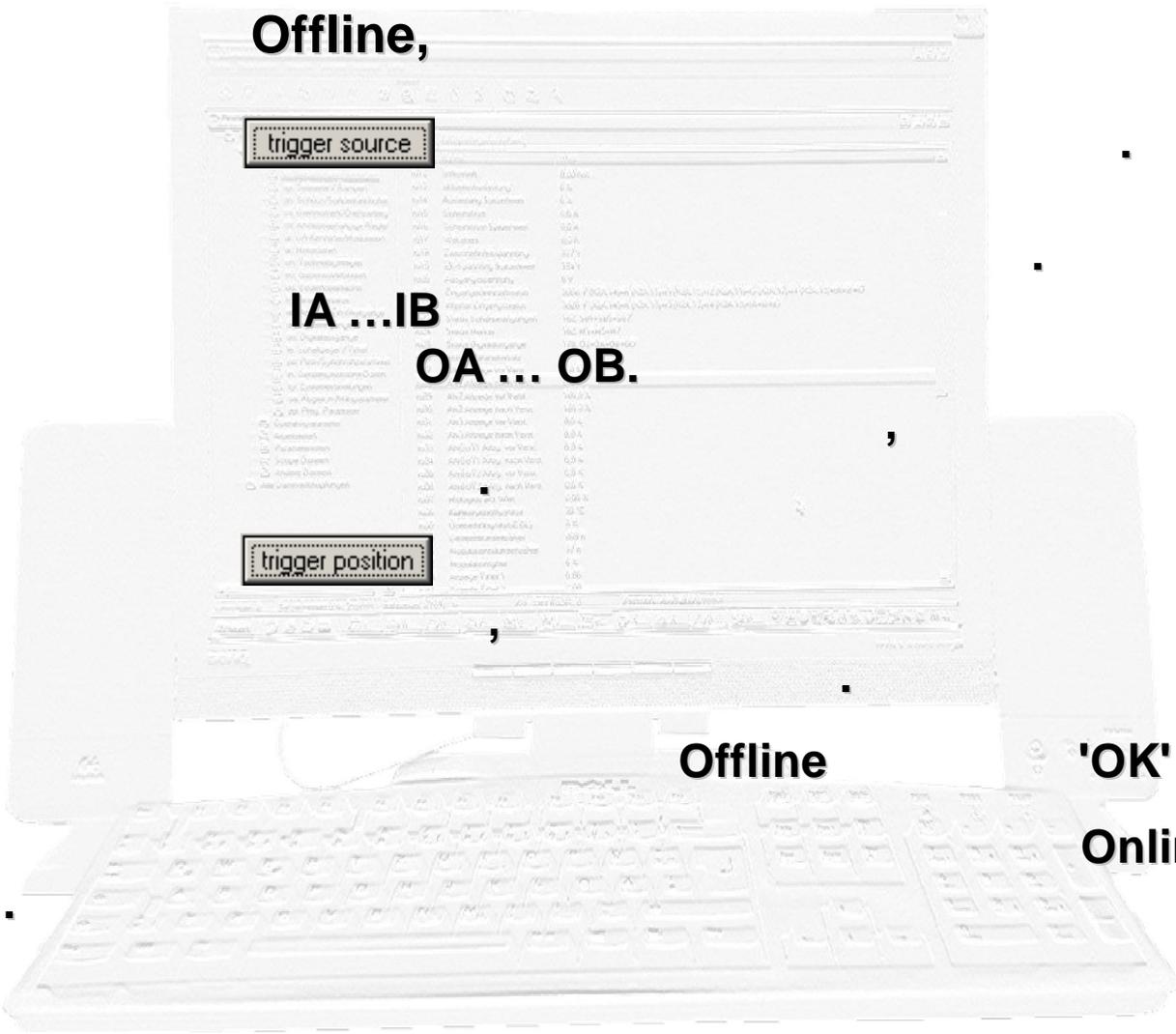
'Offline'

time base

Offline Mode.

'Offline'.

Online-



Offline,

trigger source

IA ... IB
OA ... OB.

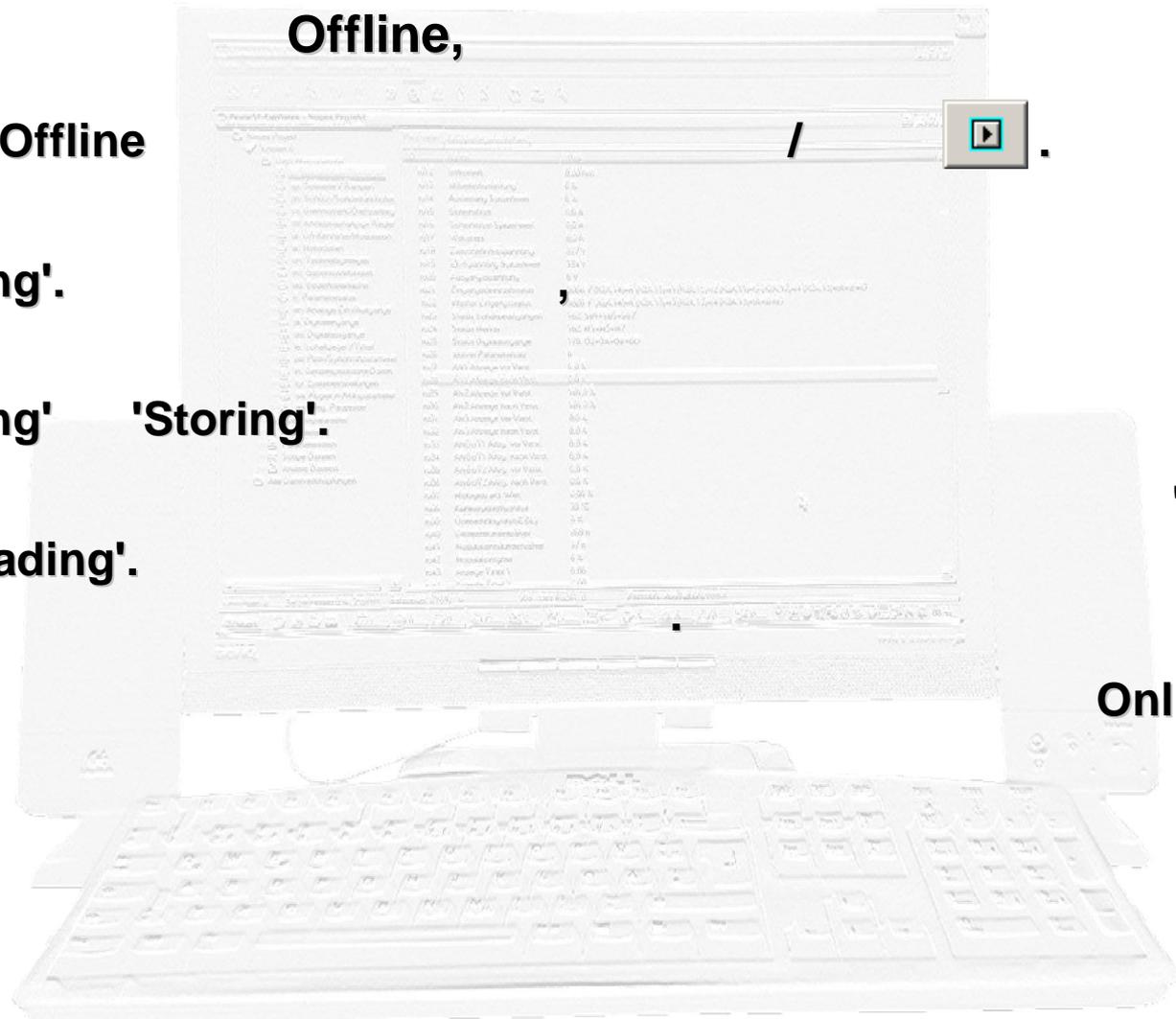
trigger position

Offline

'OK'

'Enter'.

Online-



Offline,

Offline

- 'Triggering'.
- 'Triggering' 'Storing'.
- 'Reading'.

/



'Storing,

Online-

Offline,

:

F5.A V4.2

3600

16-bit

1800

32-bit

(, , -/)

4

16- bit

1ms

0,44s.

F5 Multi,

,

.

Offline,

COMBIVIS 5 - New project :munchen

File Edit View Scope Windows Help

Settings
Export data
Readout offline memory

Scope - Node 0

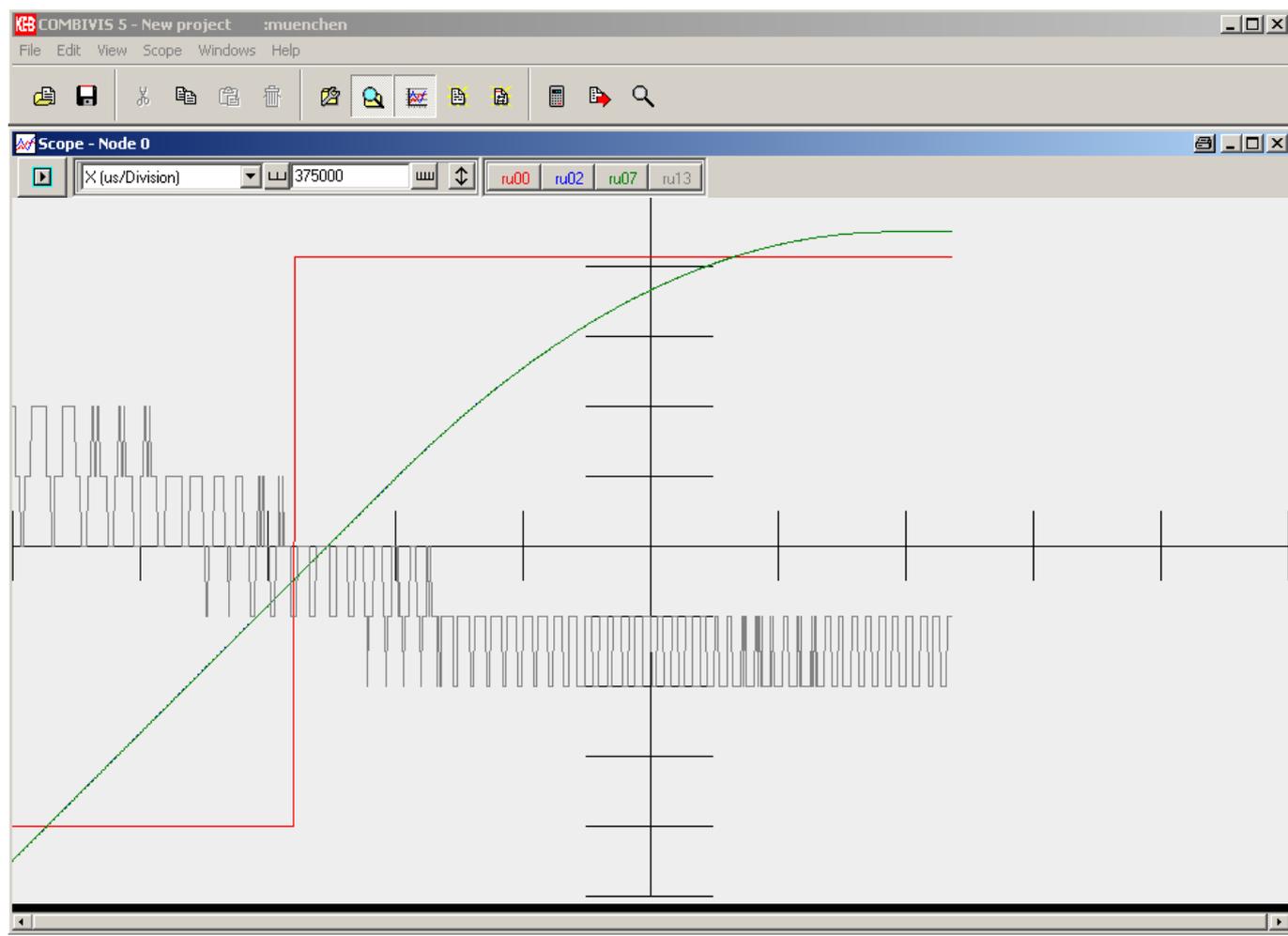
(us/Division) 375000 rw00 rw02 rw07 rw13

Readout offline memory

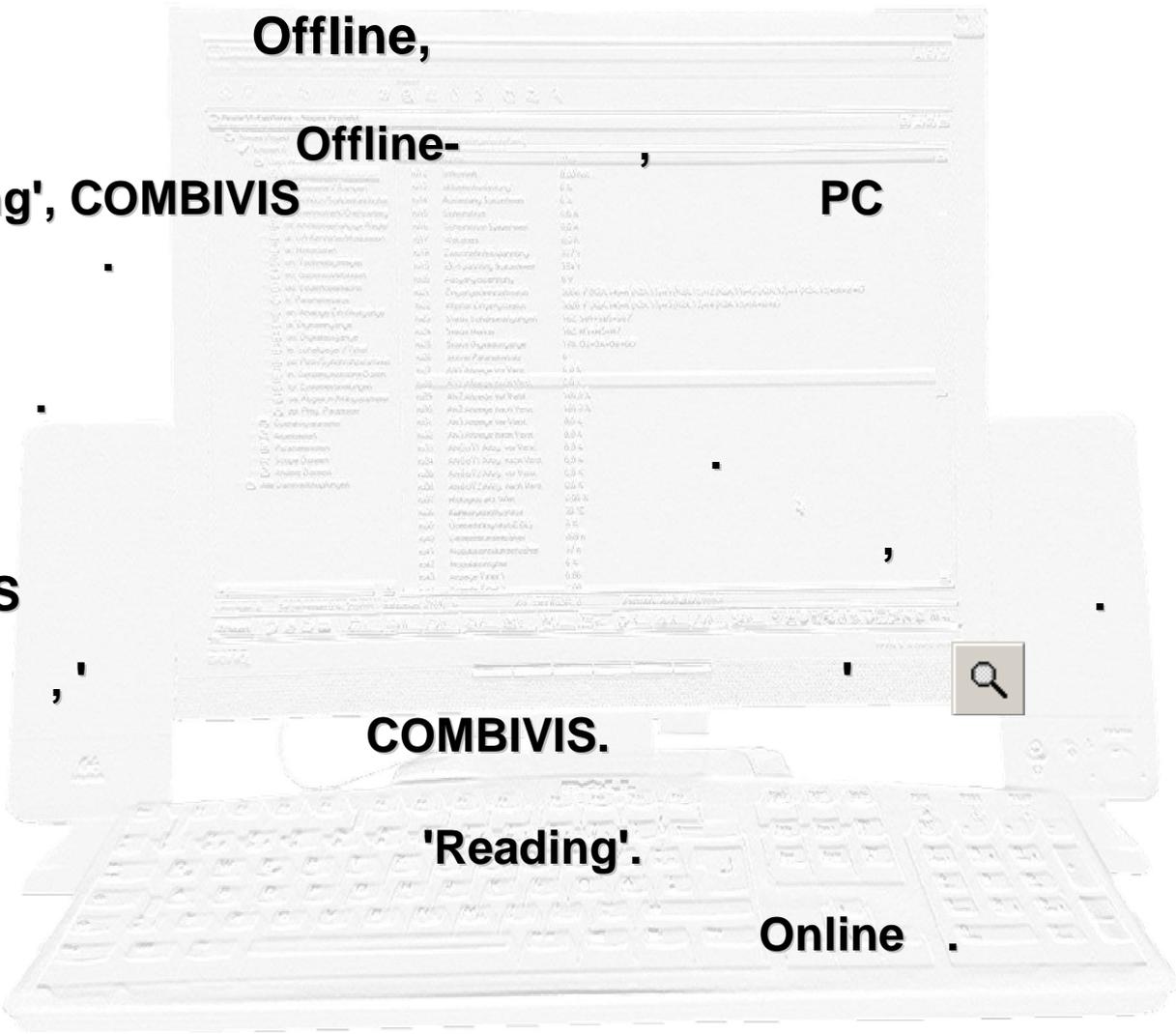
Reading



Offline,



- 'Triggering', COMBIVIS
-
- COMBIVIS
-
-

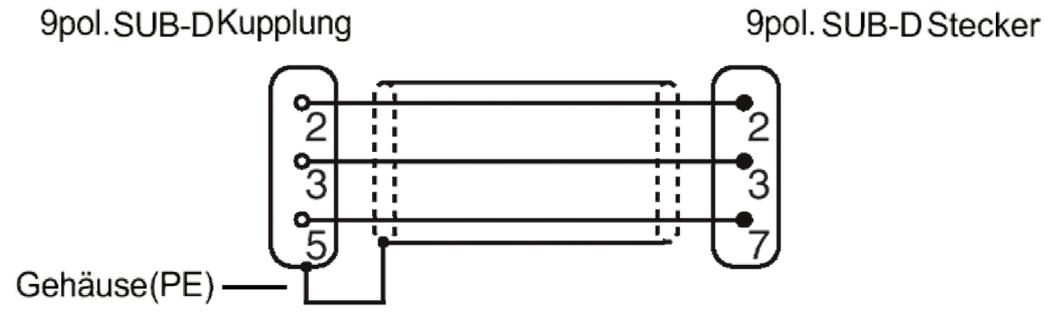


Accessories

RS-232

, PC/ Operator

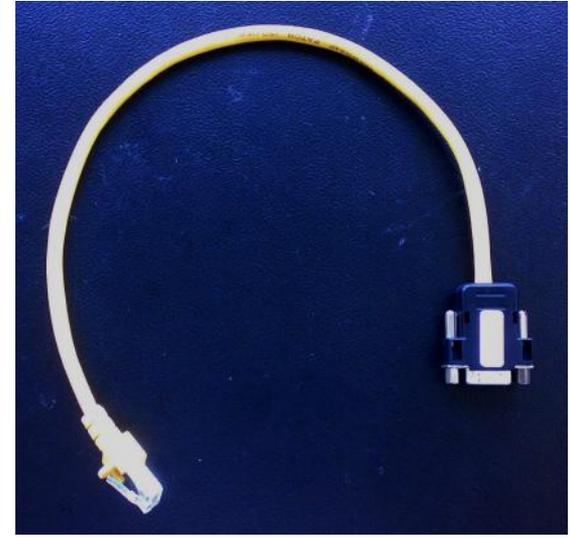
: 00.58.025-001D



**HSP-5
: 00.F5-0C0-0010**



**HSP-5-
SUB-D / RJ45
:00.F5.0C0-0020**



: HSP5

HSP5

RTS.

Windows 2000

XP

RTS

,

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USB - COM.

'RTS'

HSP5

DIN66019II

1000,

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: USB

HSP5 DIN66019II

USB-
USB-

RTS
HSP5- RS485.

: FT232BMKit (see<http://www.ftdichip.com>)



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