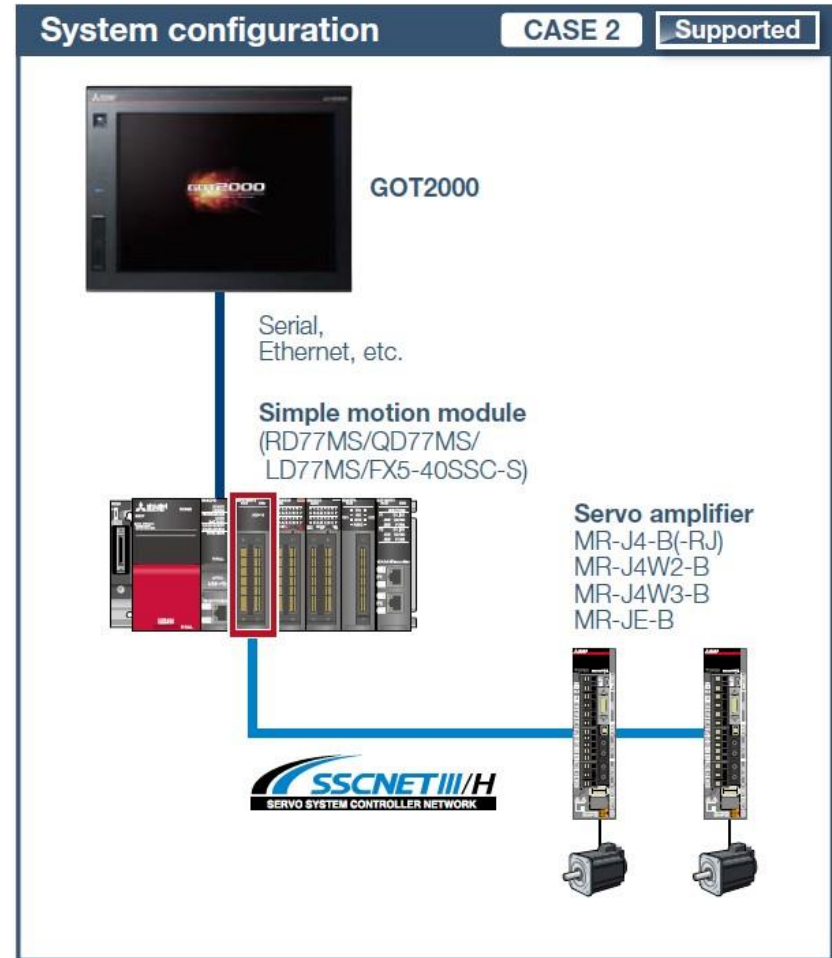
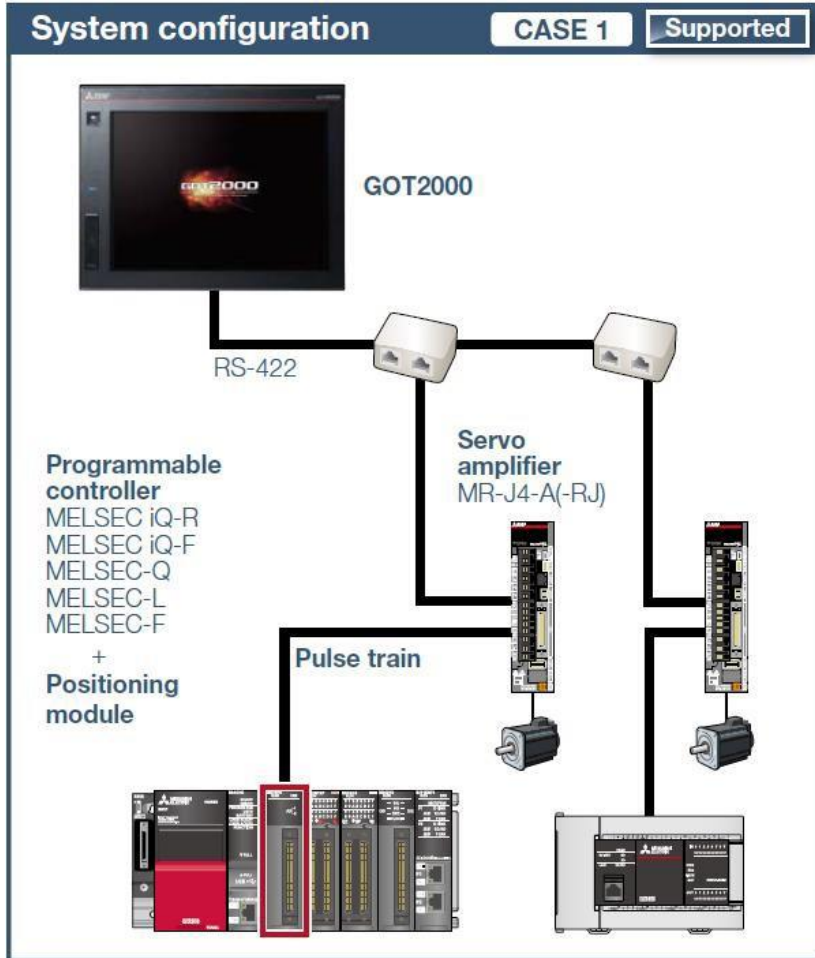


Функция настройки и диагностики Серво

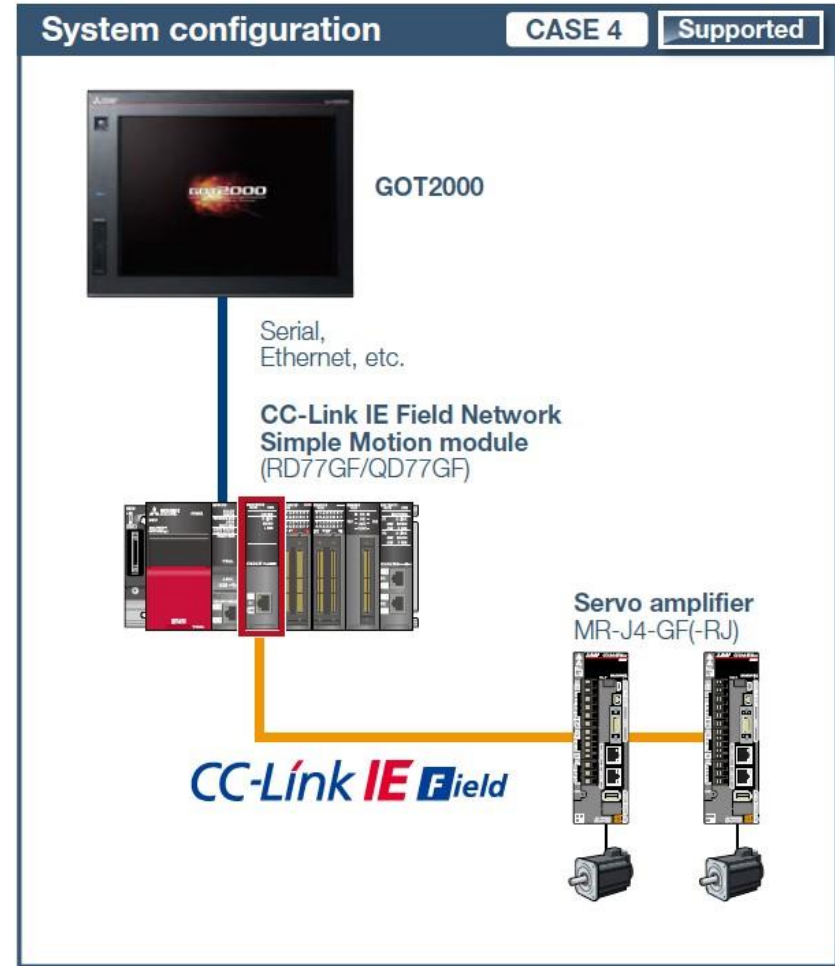
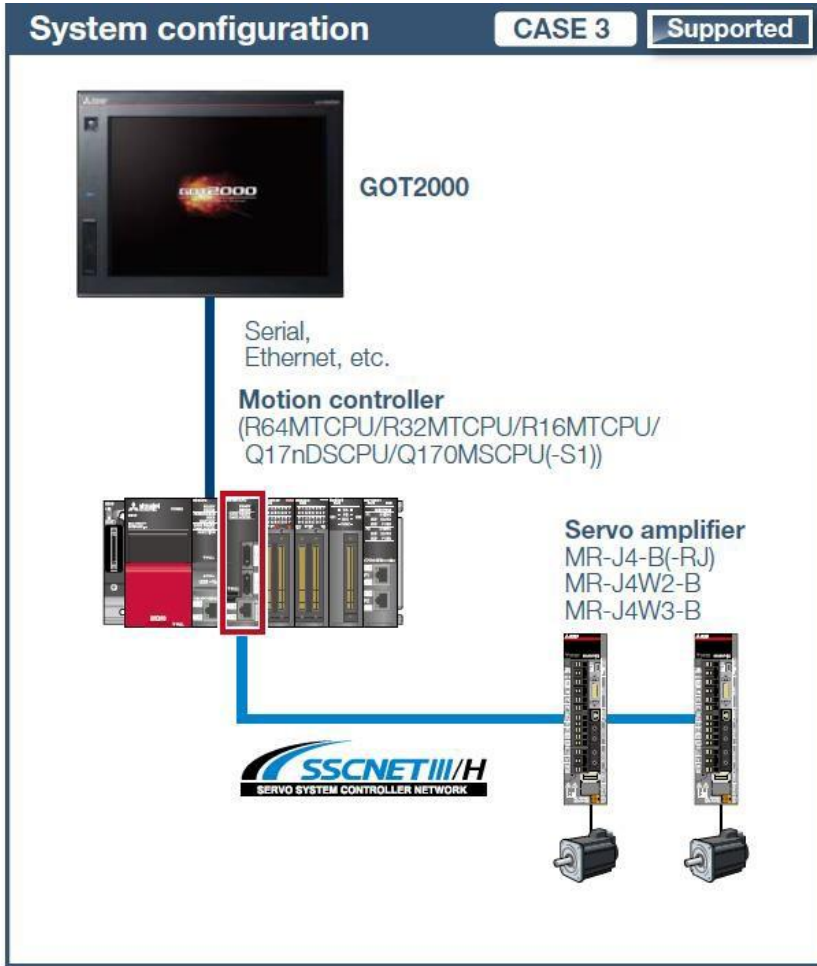


MITSUBISHI GRAPHIC OPERATION TERMINAL **GOT2000** x MITSUBISHI SERVO AMPLIFIERS & MOTORS **MELSERVO-J4**

Варианты подключения Серво



Варианты подключения Серво



Проект для панелей GOT



По умолчанию присутствует в GT-Works3

The screenshot shows the MELSOFT GT Designer3 interface. The 'Project' menu is open, and the 'Utilize Data...' option is highlighted. The 'Utilize Data (Project)' dialog box is displayed, showing a search for 'Sample project' which returned 72 items. The file 'MITSUBISHI_MR-J4-A-RJ_V_Ver2_E.GTX' is selected. The dialog also shows a preview of the project's screens and a detailed description of the servo amplifier.

Project Menu:

- New
- Open... (Ctrl+O)
- Close
- Save (Ctrl+S)
- Save As... (F12)
- Delete...
- Verify Data...
- Project Information...
- Utilize Project...
- Import Device Comment/Definition/Tag
- Save As Single File Format Project (Package Data)...
- Security
- Page Setup...
- Print Preview
- Print... (Ctrl+P)
- 1 C:\Users\Vorobyevan\D...\SoftGOT_iQF_V2_2_4.GTX
- 2 C:\Users\Vo...\MITSUBISHI_QD77MS4_V_Ver2a_E.GTX
- 3 C:\Users\V...\MITSUBISHI_RD77MS16_V_Ver2b_E.GTX
- 4 C:\Users...\G-code sample_GT27xx-X_1024x768.GTX
- 5 C:\Users\Vorobyevan\GS2107 SCM L02 V2_2_2_7.GTX
- Start GT Designer3 (GOT1000)
- Exit (Alt+F4)

Utilize Data (Project) Dialog:

Target: Sample project
 Keyword: Please enter a keyword [Search] [Detail>>]

Search Result: 72 Items

File Name	Data Size (KB)	Date Modified
MITSUBISHI_MR-J3-A_V_Ver2_E.GTX	1428	2016/08/09 02:33:56
MITSUBISHI_MR-J4-A-RJ_V_Ver2_E.GTX	2116	2016/08/09 02:33:58
MITSUBISHI_MR-J4-A_V_Ver3_E.GTX	2201	2016/08/09 02:33:58

Preview:

- B-30001 Menu
- B-30011 Monitor menu
- B-30012 Operatio...
- B-30013 Operatio...
- B-30014 Graph monitor

Detailed Description: Manual


The sample screens of GOT2000 connected to a MELSERVO-J4 Series (MR-J4-A-RJ) servo amplifier

Project Title: []
 Project Path: C:\Program Files (x86)\MELSOFT\GTD3_2000\App\SampleProject\en-US\MITSL
 Controller: MELSERVO-J4-*A-RJ

[OK] [Cancel]

Редактирование параметров Серво (аналог MR-Configurator 2)



Basic Setting (ROM) 1/2 0 / 15/20 18 17:25 

St. :56 Name: ABCDEFGHI JKLMNOPQRSTUVWXYZabcdefghi jklmn

No.	Symbol	Name	Set Value	Unit
PA01	*STY	Operation Mode	00001234h	
PA02	*REG	Regenerative Option	00001234h	
PA03	*ABS	Absolute Position Detection System	00001234h	
PA04	*AOP1	Function Selection A-1	00001234h	
PA05	*FBP	Number of Command Input Pulses per Revolution	12345678	
PA06	CMX	Electronic Gear Numerator / Number of Gear Teeth on Machine Side	12345678	
PA07	CDV	Electronic Gear Denominator / Number of Gear Teeth on Servo Motor Side	12345678	
PA08	ATU	Auto Tuning Mode	00001234h	
PA09	RSP	Auto Tuning Response	12345678	
PA10	INP	In-position Range	12345678	
PA11	TLP	Forward Rotation Torque Limit / Positive Direction Thrust Limit	123456 .0	%
PA12	TLN	Reverse Rotation Torque Limit / Negative Direction Thrust Limit	123456 .0	%
PA13	*PLSS	Command Pulse Input Form	00001234h	
PA14	*POL	Rotation Direction Selection / Travel Direction Selection	12345678	
PA15	*ENR	Encoder Output Pulses	12345678	pulse/rev
PA16	*ENR2	Encoder Output Pulses 2	12345678	
PA17	*MSR	Servo Motor Series Setting	00001234h	

*: Once data is written, the data becomes valid after turning on the amplifier power again.

Menu Parameter Setting 2 **Basic Setting** Gain/Filter Extension Setting 1 I/O Setting Extension Setting 2 Back

Журнал аварий/ Просмотр документации (аналог MR-Configurator 2)



Alarm display

History No.	Alarm No.	Alarm Contents	Occurrence Time(HR)	Detail Information (h)
latest	AL 20	Undervoltage	177	1
1	AL 20	Encoder Initial Com. Error 1	177	1
2	AL 10	Undervoltage	177	1
3	AL FF	No Alarms	0	0
4	AL FF	No Alarms	0	0
5	AL FF	No Alarms	0	0
6	AL FF	No Alarms	0	0
7	AL FF	No Alarms	0	0
8	AL FF	No Alarms	0	0

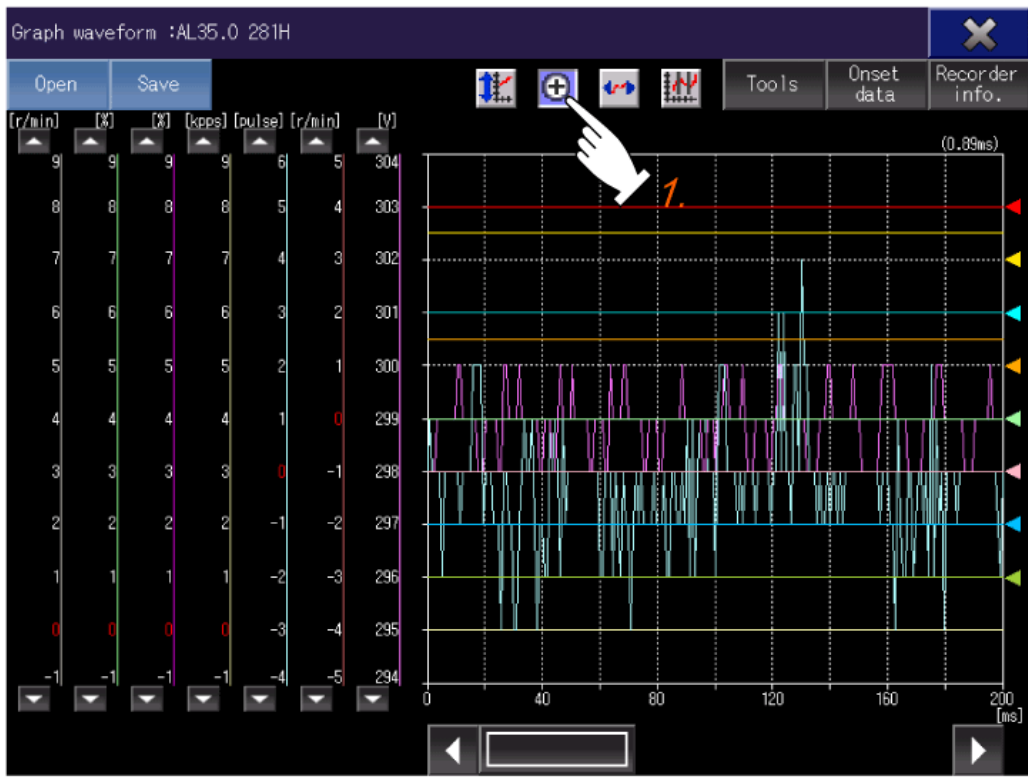
Нажмите для просмотра документации

Document display * Not supported by GT23, GT21.

No.	Name	Detail No.	Detail Name	Stop Method	Alarm Name	Location of the Alarm	Alarm Code
10	Undervoltage	10.1	Voltage error in the control circuit power	STOP	U	CU	10.1
10	Undervoltage	10.2	Voltage error in the logic (CPU) power	STOP	U	CU	10.2
10	Undervoltage	10.3	MCU error 1	STOP	U	CU	10.3
10	Undervoltage	10.4	MCU error 2	STOP	U	CU	10.4
10	Undervoltage	10.5	MCU error 3	STOP	U	CU	10.5
10	Undervoltage	10.6	MCU error 4	STOP	U	CU	10.6
10	Undervoltage	10.7	MCU error 5	STOP	U	CU	10.7
10	Undervoltage	10.8	MCU error 6	STOP	U	CU	10.8
10	Undervoltage	10.9	MCU error 7	STOP	U	CU	10.9
10	Undervoltage	10.10	MCU error 8	STOP	U	CU	10.10
10	Undervoltage	10.11	MCU error 9	STOP	U	CU	10.11
10	Undervoltage	10.12	MCU error 10	STOP	U	CU	10.12
10	Undervoltage	10.13	MCU error 11	STOP	U	CU	10.13
10	Undervoltage	10.14	MCU error 12	STOP	U	CU	10.14
10	Undervoltage	10.15	MCU error 13	STOP	U	CU	10.15
10	Undervoltage	10.16	MCU error 14	STOP	U	CU	10.16
10	Undervoltage	10.17	MCU error 15	STOP	U	CU	10.17
10	Undervoltage	10.18	MCU error 16	STOP	U	CU	10.18
10	Undervoltage	10.19	MCU error 17	STOP	U	CU	10.19
10	Undervoltage	10.20	MCU error 18	STOP	U	CU	10.20
10	Undervoltage	10.21	MCU error 19	STOP	U	CU	10.21
10	Undervoltage	10.22	MCU error 20	STOP	U	CU	10.22
10	Undervoltage	10.23	MCU error 21	STOP	U	CU	10.23
10	Undervoltage	10.24	MCU error 22	STOP	U	CU	10.24
10	Undervoltage	10.25	MCU error 23	STOP	U	CU	10.25
10	Undervoltage	10.26	MCU error 24	STOP	U	CU	10.26
10	Undervoltage	10.27	MCU error 25	STOP	U	CU	10.27
10	Undervoltage	10.28	MCU error 26	STOP	U	CU	10.28
10	Undervoltage	10.29	MCU error 27	STOP	U	CU	10.29
10	Undervoltage	10.30	MCU error 28	STOP	U	CU	10.30
10	Undervoltage	10.31	MCU error 29	STOP	U	CU	10.31
10	Undervoltage	10.32	MCU error 30	STOP	U	CU	10.32
10	Undervoltage	10.33	MCU error 31	STOP	U	CU	10.33
10	Undervoltage	10.34	MCU error 32	STOP	U	CU	10.34
10	Undervoltage	10.35	MCU error 33	STOP	U	CU	10.35
10	Undervoltage	10.36	MCU error 34	STOP	U	CU	10.36
10	Undervoltage	10.37	MCU error 35	STOP	U	CU	10.37
10	Undervoltage	10.38	MCU error 36	STOP	U	CU	10.38
10	Undervoltage	10.39	MCU error 37	STOP	U	CU	10.39
10	Undervoltage	10.40	MCU error 38	STOP	U	CU	10.40
10	Undervoltage	10.41	MCU error 39	STOP	U	CU	10.41
10	Undervoltage	10.42	MCU error 40	STOP	U	CU	10.42
10	Undervoltage	10.43	MCU error 41	STOP	U	CU	10.43
10	Undervoltage	10.44	MCU error 42	STOP	U	CU	10.44
10	Undervoltage	10.45	MCU error 43	STOP	U	CU	10.45
10	Undervoltage	10.46	MCU error 44	STOP	U	CU	10.46
10	Undervoltage	10.47	MCU error 45	STOP	U	CU	10.47
10	Undervoltage	10.48	MCU error 46	STOP	U	CU	10.48
10	Undervoltage	10.49	MCU error 47	STOP	U	CU	10.49
10	Undervoltage	10.50	MCU error 48	STOP	U	CU	10.50
10	Undervoltage	10.51	MCU error 49	STOP	U	CU	10.51
10	Undervoltage	10.52	MCU error 50	STOP	U	CU	10.52
10	Undervoltage	10.53	MCU error 51	STOP	U	CU	10.53
10	Undervoltage	10.54	MCU error 52	STOP	U	CU	10.54
10	Undervoltage	10.55	MCU error 53	STOP	U	CU	10.55
10	Undervoltage	10.56	MCU error 54	STOP	U	CU	10.56
10	Undervoltage	10.57	MCU error 55	STOP	U	CU	10.57
10	Undervoltage	10.58	MCU error 56	STOP	U	CU	10.58
10	Undervoltage	10.59	MCU error 57	STOP	U	CU	10.59
10	Undervoltage	10.60	MCU error 58	STOP	U	CU	10.60
10	Undervoltage	10.61	MCU error 59	STOP	U	CU	10.61
10	Undervoltage	10.62	MCU error 60	STOP	U	CU	10.62
10	Undervoltage	10.63	MCU error 61	STOP	U	CU	10.63
10	Undervoltage	10.64	MCU error 62	STOP	U	CU	10.64
10	Undervoltage	10.65	MCU error 63	STOP	U	CU	10.65
10	Undervoltage	10.66	MCU error 64	STOP	U	CU	10.66
10	Undervoltage	10.67	MCU error 65	STOP	U	CU	10.67
10	Undervoltage	10.68	MCU error 66	STOP	U	CU	10.68
10	Undervoltage	10.69	MCU error 67	STOP	U	CU	10.69
10	Undervoltage	10.70	MCU error 68	STOP	U	CU	10.70
10	Undervoltage	10.71	MCU error 69	STOP	U	CU	10.71
10	Undervoltage	10.72	MCU error 70	STOP	U	CU	10.72
10	Undervoltage	10.73	MCU error 71	STOP	U	CU	10.73
10	Undervoltage	10.74	MCU error 72	STOP	U	CU	10.74
10	Undervoltage	10.75	MCU error 73	STOP	U	CU	10.75
10	Undervoltage	10.76	MCU error 74	STOP	U	CU	10.76
10	Undervoltage	10.77	MCU error 75	STOP	U	CU	10.77
10	Undervoltage	10.78	MCU error 76	STOP	U	CU	10.78
10	Undervoltage	10.79	MCU error 77	STOP	U	CU	10.79
10	Undervoltage	10.80	MCU error 78	STOP	U	CU	10.80
10	Undervoltage	10.81	MCU error 79	STOP	U	CU	10.81
10	Undervoltage	10.82	MCU error 80	STOP	U	CU	10.82
10	Undervoltage	10.83	MCU error 81	STOP	U	CU	10.83
10	Undervoltage	10.84	MCU error 82	STOP	U	CU	10.84
10	Undervoltage	10.85	MCU error 83	STOP	U	CU	10.85
10	Undervoltage	10.86	MCU error 84	STOP	U	CU	10.86
10	Undervoltage	10.87	MCU error 85	STOP	U	CU	10.87
10	Undervoltage	10.88	MCU error 86	STOP	U	CU	10.88
10	Undervoltage	10.89	MCU error 87	STOP	U	CU	10.89
10	Undervoltage	10.90	MCU error 88	STOP	U	CU	10.90
10	Undervoltage	10.91	MCU error 89	STOP	U	CU	10.91
10	Undervoltage	10.92	MCU error 90	STOP	U	CU	10.92
10	Undervoltage	10.93	MCU error 91	STOP	U	CU	10.93
10	Undervoltage	10.94	MCU error 92	STOP	U	CU	10.94
10	Undervoltage	10.95	MCU error 93	STOP	U	CU	10.95
10	Undervoltage	10.96	MCU error 94	STOP	U	CU	10.96
10	Undervoltage	10.97	MCU error 95	STOP	U	CU	10.97
10	Undervoltage	10.98	MCU error 96	STOP	U	CU	10.98
10	Undervoltage	10.99	MCU error 97	STOP	U	CU	10.99
10	Undervoltage	10.100	MCU error 98	STOP	U	CU	10.100
10	Undervoltage	10.101	MCU error 99	STOP	U	CU	10.101
10	Undervoltage	10.102	MCU error 100	STOP	U	CU	10.102

Проверьте информацию в документации *.pdf

Функция осциллографа (аналог MR-Configurator 2)



Запуск Серво в режиме JOG (аналог MR-Configurator 2)



JOG Operation 01/15/2018 17:26

St. :56 Name:ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghi jklmn

Item	Current Value	Unit	
Cumulative Feedback Pulses	1234567890	pulse	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 5px;">▲</div> <div style="margin-right: 5px;">▼</div> </div>
Servo Motor Speed	123456	r/min	
Droop Pulses	1234567890	pulse	
Cumulative Command Pulses	1234567890	pulse	
Command Pulse Frequency	1234567890	kpulse/s	
Analogue Speed Command Voltage/Analogue Speed Limit Voltage	123.00	v	
Analogue Torque Command Voltage/Analogue Torque Limit Voltage	123.00	v	
Regenerative Load Ratio	123456	%	
Effective Load Ratio	123456	%	
Peak Load Ratio	123456	%	
Instantaneous Torque	123456	%	
Within One-revolution Position	1234567890	pulse	
ABS Counter	123456	rev	


Start JOG operation

Motor Speed	123456	Fwd. Rot.	Rev. Rot.
Accel./Decel. Time Constant	123456		

Menu
JOG Operation
Positioning Operation
Output Signal Forced Output
Single-step feed
Back

Индикация состояния дискр. вх./выходов

(аналог MR-Configurator 2)

Input/output device monitor 0 / 15/20 18 17:24 


St. :56 Name:ABCDEFGHIJKLMN OPQRSTUVWXYZabcdefghijklmnopghijklmn

Input Device Status			Output Device Status		
<input type="radio"/> SON	<input type="radio"/> STAB2	<input type="radio"/> STAB	<input type="radio"/> RD	<input type="radio"/> ABSV	<input type="radio"/> PT1/PS1
<input type="radio"/> LSP	<input type="radio"/> TSTP	<input type="radio"/> DOG/SIG	<input type="radio"/> SA	<input type="radio"/> MTTR	<input type="radio"/> PT2/PS2
<input type="radio"/> LSN	<input type="radio"/> CDP	<input type="radio"/> LPS	<input type="radio"/> ZSP	<input type="radio"/> MSDH	<input type="radio"/> PT3/PS3
<input type="radio"/> TL	<input type="radio"/> CLD	<input type="radio"/> RT	<input type="radio"/> TLC	<input type="radio"/> MSDL	<input type="radio"/> PT4/PS4
<input type="radio"/> TL1	<input type="radio"/> MECR	<input type="radio"/> RTCDP	<input type="radio"/> VLC	<input type="radio"/> SOUT	<input type="radio"/> PT5/PS5
<input type="radio"/> PC	<input type="radio"/> ABSM	<input type="radio"/> OV0	<input type="radio"/> INP	<input type="radio"/> OUT1	<input type="radio"/> PT6/PS6
<input type="radio"/> RES	<input type="radio"/> ABSR	<input type="radio"/> OV1	<input type="radio"/> WNG	<input type="radio"/> OUT2	<input type="radio"/> PT7/PS7
<input type="radio"/> CR	<input type="radio"/> MSD	<input type="radio"/> OV2	<input type="radio"/> ALM	<input type="radio"/> OUT3	<input type="radio"/> MCD00
<input type="radio"/> SP1	<input type="radio"/> PI1	<input type="radio"/> OV3	<input type="radio"/> OP	<input type="radio"/> CPO	<input type="radio"/> MCD01
<input type="radio"/> SP2	<input type="radio"/> PI2	<input type="radio"/> DI0	<input type="radio"/> MBR	<input type="radio"/> ZP	<input type="radio"/> MCD02
<input type="radio"/> SP3	<input type="radio"/> PI3	<input type="radio"/> DI1	<input type="radio"/> DB	<input type="radio"/> POT	<input type="radio"/> MCD03
<input type="radio"/> ST1/RS2	<input type="radio"/> MD0	<input type="radio"/> DI2	<input type="radio"/> ALCD0	<input type="radio"/> PUS	<input type="radio"/> MCD10
<input type="radio"/> ST2/RS1	<input type="radio"/> MD1	<input type="radio"/> DI3	<input type="radio"/> ALCD1	<input type="radio"/> MEND	<input type="radio"/> MCD11
<input type="radio"/> CMX1	<input type="radio"/> TCH	<input type="radio"/> DI4	<input type="radio"/> ALCD2	<input type="radio"/> PED	<input type="radio"/> MCD12
<input type="radio"/> CMX2	<input type="radio"/> TP0	<input type="radio"/> DI5	<input type="radio"/> BWNG	<input type="radio"/> ALMWNG	<input type="radio"/> MCD13
<input type="radio"/> LOP	<input type="radio"/> TP1	<input type="radio"/> DI6	<input type="radio"/> CDPS	<input type="radio"/> BW9F	
<input type="radio"/> EM2/EM1	<input type="radio"/> OVR	<input type="radio"/> DI7	<input type="radio"/> CLDS	<input type="radio"/> PT0/PS0	

Menu
Operation monitor
Graph monitor
Input/output signal monitor
Input/output device monitor
Back










Проверка дискр. выходов (аналог MR-Configurator 2)



Output Signal (DO) Forced Output 01/15/2018 17:28 

St. :56 Name:ABCDEFGHIJKLMNQPQRSTUVWXYZabcdefghijklmn

Start output signal (DO) forced output

 CN1-49	 CN1-24	 CN1-23 +	 CN1-25	 CN1-22
 CN1-48	 CN1-33	 CN1-13	 CN1-14	

Menu JOG Operation Positioning Operation **Output Signal Forced Output** Single-step feed Back

Настройка серво (аналог MR-Configurator 2)



Tuning

01/15/2018 17:21

St. :56 Name:ABCDEFGHIJKLMNCPQRSTUVWXYZabcdefghijklm

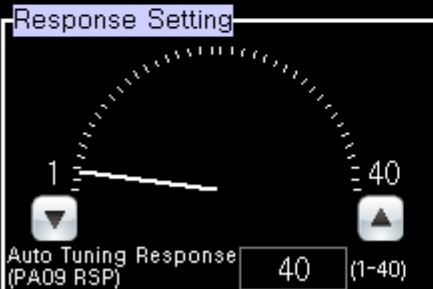
Gain Adjustment Mode Selection (PA08 ATU)

- Auto Tuning Mode 1 (Estimate Load to Motor Inertia Ratio -> Adjust Response)
- Auto Tuning Mode 2 (Manually Set Load to Motor Inertia Ratio -> Adjust Response)
- 2 Gain adjustment Mode 1 (Interpolation Mode) (Estimate Load to Motor Inertia Ratio -> Adjust Response)
- 2 Gain adjustment Mode 2 (Manually Set Load to Motor Inertia Ratio -> Adjust Response -> Manually Set Model Loop Gain)
- Manual Mode (Manually Set Load to Motor Inertia Ratio -> Manually Set Gain Parameters)

Load to Motor Inertia Ratio Setting

Load to Motor Inertia Ratio (PB06 GD2) 300.00 ▼ ▲ [Multiplier](0.00-300.00)

Response Setting



Auto Tuning Response (PA09 RSP) 40 (1-40)

Gain Parameter Setting

Model Loop Gain (PB07 PG1)	2000.0	▼	▲	[rad/s](1.0-2000.0)
Position Loop Gain (PB08 PG2)	2000.0	▼	▲	[rad/s](1.0~2000.0)
Speed Loop Gain (PB09 VG2)	65535	▼	▲	[rad/s](20~65535)
Speed Integral Compensation (PB10 VIC)	1000.0	▼	▲	[ms](0.1~1000.0)

Menu
Tuning
One-touch tuning
Machine diagnosis
Amplifier life diagnosis
Alarm
Manual Display
Back

Анализ механической части машины (аналог MR-Configurator 2)



Machine diagnosis

01/15/2018 17:22

St. :56 Name:ABCDEFGHIJKLMN O PQRSTU VWXYZ abcdefghi jklm n

Estimated friction value
Detect the estimated coulomb friction (including gravity and etc.) and viscous friction coefficient of guides or ball screws according to the operation patterns.

Positive friction torque against the servo motor rated value

3456.0 %

Positive torque coulomb friction

3456.0 %

Rated speed

123456 r/min

Friction torque

Negative torque coulomb friction

3456.0 %

Negative friction torque against the servo motor rated value

3456.0 %

Estimated vibration value
Detect high frequency minute vibrations due to backlash or aged deterioration of guides, ball screws, belts.

Motor running

Oscillating frequency

123456 Hz

Vibration level

3456.0 %

Motor suspended

Oscillating frequency

123456 Hz

Vibration level


3456.0 %

Menu
Tuning
One-touch tuning
Machine diagnosis
Amplifier life diagnosis
Alarm
Manual Display
Back

Фильтры подавления резонансных частот

(аналог MR-Configurator 2)

Filter Setting 1/2

0 / 15/20 18 17:45 

Tuning **Filter Setting** Vib. Supp. Ctrl

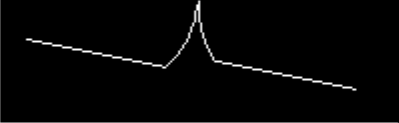
Machine resonance suppression filter

Filter 1 (Adaptive tuning)
(PB01 FILT)

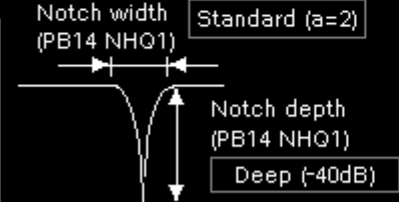
No Setting **Tuning**

Manual Setting

Notch frequency
(PB13 NH1) Hz (10-4500)



Notch width
(PB14 NHO1)



Notch depth
(PB14 NHO1)

Frequency


Filter 2 (PB16 NHO2)	Filter 3 (PB47 NHO3)	Filter 4 (PB49 NHO4)	Filter 5 (PB51 NHO5)
Disabled	Disabled	Disabled	Disabled
Notch frequency (PB15 NH2) <input type="text" value="123456"/> Hz (10-4500)	Notch frequency (PB46 NH3) <input type="text" value="123456"/> Hz (10-4500)	Notch frequency (PB48 NH4) <input type="text" value="123456"/> Hz (10-4500)	Notch frequency (PB50 NH5) <input type="text" value="123456"/> Hz (10-4500)
Notch width (PB16 NHO2) <input type="text" value="Standard (a=2)"/>	Notch width (PB47 NHO3) <input type="text" value="Standard (a=2)"/>	Notch width (PB49 NHO4) <input type="text" value="Standard (a=2)"/>	Notch width (PB51 NHO5) <input type="text" value="Standard (a=2)"/>
Notch depth (PB16 NHO2) <input type="text" value="Deep (-40dB)"/>	Notch depth (PB47 NHO3) <input type="text" value="Deep (-40dB)"/>	Notch depth (PB49 NHO4) <input type="text" value="Deep (-40dB)"/>	Notch depth (PB51 NHO5) <input type="text" value="Deep (-40dB)"/>

Menu **Tuning** One-touch Tuning Machine Diagnosis Amplifier Life Diagnosis Alarm Drive Recorder Back

Фильтры подавления вибрации (аналог MR-Configurator 2)



Vibration Suppression Control Setting

01/15/2018 17:46 

Tuning | Filter Setting | Vib. Supp. Ctrl

Advanced vibration suppression control

Vibration suppression control mode selection (PA24 AOP4) Standard mode 3 inertia mode Low response mode

Vibration suppression control 1

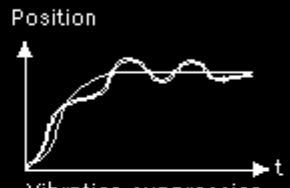
Control setting 1 (PB02 VRFT) No Setting Tuning Manual Setting

Vibration frequency	(PB19 VRF11)	2345.6	▼ ▲	[Hz] (0.1-300.0)
Resonance frequency	(PB20 VRF12)	2345.6	▼ ▲	[Hz] (0.1-300.0)
Vib. freq. damping setting	(PB21 VRF13)	123.45	▼ ▲	(0.00-0.30)
Res. freq. damping setting	(PB22 VRF14)	123.45	▼ ▲	(0.00-0.30)

Vibration suppression control 2


Control setting 2 (PB02 VRFT) No Setting Tuning Manual Setting

Vibration frequency	(PB52 VRF21)	2345.6	▼ ▲	[Hz] (0.1-300.0)
Resonance frequency	(PB53 VRF22)	2345.6	▼ ▲	[Hz] (0.1-300.0)
Vib. freq. damping setting	(PB54 VRF23)	123.45	▼ ▲	(0.00-0.30)
Res. freq. damping setting	(PB55 VRF24)	123.45	▼ ▲	(0.00-0.30)



Vibration suppression control OFF
(Normal control)

▼



Vibration suppression control ON


— Motor side
— Load side

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Индикация времени работы Серво (аналог MR-Configurator 2)



Amplifier life diagnosis

01/15/2018 17:36 

St. :56 Name:ABCDEFGHIJKLMNCPQRSTUVWXYZabcdefghijklm


Display the total time when the power is on after shipping from our company.

Cumulative energization time	Estimated life (smoothing capacitor)
<input type="text" value="123456"/> h	Approximately <input type="text" value="10"/> Year
\approx <input type="text" value="123456.00"/> Year	Estimated life (cooling fan)
	Approximately <input type="text" value="10000-30000"/> h

+

The number of on/off times of the inrush relay after shipping from our company.

The number of on/off times of the inrush relay	Estimated life
<input type="text" value="123456"/> Number of times	Approximately <input type="text" value="100000"/> Number of times




Displayed lives are only indications.
Actual replacement times differ according to use or environment.
If you find any abnormality, replacing is needed.

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Индикация потребления электричества (аналог MR-Configurator 2)



Operation Monitor 2/2
01/15/2018 17:48 

Item	Current Value	Unit	
Oscillation Detection Frequency	123456	Hz	▲
Number of Tough Drive Operations	123456	times	
Unit Power Consumption	1234567890	W	
Unit Total Power Consumption	1234567890	Wh	
+			
▼			

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СПАСИБО!