

Identify Siemens 353 model code and select options from from this colum. ★

Select the appropriate YS1700 options from this column. Corresponding option will be listed directly accross. Look to the colum to the right for additional details.

Siemens 353 Process Automation Controller to Yokogawa YS1700 Single Loop Controller Cross Reference Table

Moore 353 Process Automation Controller (Design Level "B")	353 ★		YS1700	Yokogawa YS1700 Single Loop Controller
TGX: 353A4FNCNB4		Sample Model Code		YS1700-100/FM
120/240 Vac (80-264 Vac), 47-63 Hz	A ★	Power Supply	-1□0 or -1□1	-1□0 for 120 VAC -1□1 for 240 VAC
24 Vdc, +20%, -15%	D		-1□0	24 VDC
Standard Case with Ethernet Connector	4 ★	Mounting Case	Add /A34	
High Shock & Vibration Case w/ Ethernet Connector	5		Add /A34	Contact the factory if a siesmic rating is required.
Analog & Digital Displays	F ★	Operator's Display Panel	-	
Not Required	N ★		-10□	
Local I/O Expander (T/C, RTD, Freq, Relay)	1	Expansion Board	-□2□/A0x* *See below for details	The YS1700 covers one of the two 353's directs signal inputs. This is present on the YS1700 main unit. If 2 direct signal inputs are required, slect an appropriate external Juxta module.
Not Required	N		-	
MMC	C ★	Multi Media Card	-	Not available for YS1700
Not Required	N ★		-	
Controller Modified as detailed in order bill of material	X	Modification Options		Contact factory for tokuchu or custom programming.
Design Level B	B ★	Design Level	-	
Not Required	N		-	
FM/CSA non-incendive Class I, Div. 2, Groups A, B, C, D; CE Compliant	4 ★	Electrical Approval	Add /FM or Add /CSA or Add /S16	FM nonincendive approved (FM Class I, DIV 2) CSA safety and nonincendive approved (Class I, DIV 2) ABS Marine Type Approval *All units are CE Compliant
FM/CSA non-incendive Class I, Div. 2, Groups A, B, C, D; CE Compliant; ABS Approved	W			
FM/CSA non-incendive Class I, Div. 2, Groups A, B, C, D	X			
		Yokogawa Options	-	Selection not required or available for YS1700
			□	Can be any selection
			/A01 *	mV input
			/A02 *	Thermocouple input
			/A03 *	RTD input
			/A04 *	Potentiometer input
			/A05 *	Isolator input
			/A06 *	Two wire transmitter (isolated)
			/A07 *	Two wire transmitter (non-isolated)
		/A08 *	Frequency input	

Siemens 352Plus Process Automation Controller to Yokogawa YS1700 Single Loop Controller Cross Reference Table

Siemens 352Plus Process Automation Controller (Design Level "A")	352P B 352P E		YS1700	Yokogawa YS1700 Single Loop Controller
352P B-A21A1TNNAW 352P E-A21TNTNNAN		Sample Model Code		YS1700-110/A31/FM YS1700-120/A02
120/240 Vac (80-264 Vac), 47-63 Hz	A	Power Supply	-1□0 or -1□1	-1□0 for 120 VAC -1□1 for 240 VAC
24 Vdc, +20%, -15%	C		-1□0	24 VDC
Terminal Connections - 40	2	Mounting Case	-	Standard
Not Required	N		-	The YS1700 covers all the 353's additional expanded I/O in the standard unit except for the 2 SPST relay outputs.
Analog & Digital Displays	1	Operator's Display Panel	-	
Not Required - Includes Blank Panel	N		-	
Delete - Panel Not Included	D		-	
Additional Analog Input & Output	A	Input Options	-11□	Select only if all 6 analog input are being used.
Frequency Input	F		-□2□/A08	The YS1700 can only cover 5 of the analog inputs which includes 1 direct analog input. The 352Plus has the ability to cover 6 analog inputs which includes 1 direct analog input.
Computer Pulse	C		-	
Isolated Voltage Input	V		-□2□/A05	
Thermocouple/MV Input	T		-□2□/A01 (mV) or -□2□/A02 (tc)	
RTD Input	D		-□2□/A03	
LIL RS-422 - Half Duplex	1	Link Interface	Add /A31	
Not Required	N		-	
Not Required	N	Removable Configuration Board	-	
RTC/CB	T		-	YS1700 has existing YSS1000 Port
Reserved for Future Use	N	Reserved for Future Use	-	
Not Required	N	Modification Options	-	
Controller Modified as detailed in order bill of material	X			Contact factory for tokuchu or custom programming.
Design Level A	A	Design Level	-	
Not Required	N	Electrical Approval	-	
ABS & FM/CSA non-incendive Class I, Div. 2, Groups A, B, C, D	W		Add /FM or Add /CSA or Add /S16	FM nonincendive approved (FM Class I, DIV 2) CSA safety and nonincendive approved (Class I, DIV 2) ABS Marine Type Approval * All units are CE Compliant
		Yokogawa Options	-	Selection not required or available for YS1700
			□	Can be any selection

**Moore 353 Process Automation Controller to Yokogawa YS1700 Single Loop Controller
Cross Reference Table**

Moore 353 Process Automation Controller (Design Level "A")	353		YS1700	Yokogawa YS1700 Single Loop Controller
353A2FNNNNNNNAW		Sample Model Code		YS1700-100/S16
120/240 Vac (80-264 Vac), 47-63 Hz	A	Power Supply	-1□0 or -1□1	-1□0 for 120 VAC -1□1 for 240 VAC
24 Vdc, +20%, -15%	D		-1□0	24 VDC
Terminal Connections - 26	1	Mounting Case	-	Standard
Terminal Connections - 52 (Local I/O Expander required)	2		-	The YS1700 covers all the 353's additional expanded I/O in the standard unit except for the 2 SPST relay outputs.
Terminal Connections - 52 with Ethernet Connector	4		Add /A34	
High Shock & Vibration Case w/ Ethernet Connector	5		Add /A34	Contact the factory if a seismic rating is required.
Analog & Digital Displays	F		Operator's Display Panel	-
Not Required	N		-	
Local I/O Expander (T/C, RTD, Freq, Relay)	1	Expansion Board	-□2□/A0□* *See below for details	The YS1700 covers one of the two 353's direct signal inputs. This is present on the YS1700 main unit. If 2 direct signal inputs are required, select an appropriate external Juxta module.
Not Required	N	Option Board A-1	-	
LonWorks Protocol	L		-	YS1700 does not have this option.
Not Required	N	Option Board A-2	-	
Not Required	N	Option Board B-1	-	
Ethernet	E		Add /A34	Modbus TCP/IP
Local Instrument Link (LIL)	L		Add /A31	RS-485 communication (PC-link, Modbus, YS protocol, and Peer-to-Peer communication)
Not Required	N	Option Board B-2	-	
Removable Configuration Board (RCB)	R			Standard Configuration Port
Real Time Clock/Configuration Backup Board (RTC/CB)	T			RTC / Not available
Not Required	N	Modification Options	-	
Controller Modified as detailed in order bill of material	X			Contact factory for tokuchu or custom programming.
Reserved for Future Use	N	Reserved for Future Use	-	
Design Level A	A	Design Level	-	
Not Required	N	Electrical Approval	-	
FM/CSA non-incendive Class I, Div. 2, Groups A, B, C, D; CE Compliant	4		Add /FM or Add /CSA or Add /S16	FM nonincendive approved (FM Class I, DIV 2) CSA safety and nonincendive approved (Class I, DIV 2) ABS Marine Type Approval
FM/CSA non-incendive Class I, Div. 2, Groups A, B, C, D; CE Compliant; ABS Approved	W			
FM/CSA non-incendive Class I, Div. 2, Groups A, B, C, D	X			
		Yokogawa Options	-	Selection not required or available for YS1700
			□	Can be any selection
			/A01 *	mV input
			/A02 *	Thermocouple input
			/A03 *	RTD input
			/A04 *	Potentiometer input
			/A05 *	Isolator input
			/A06 *	Two wire transmitter (isolated)
			/A07 *	Two wire transmitter (non-isolated)
			/A08 *	Frequency input

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Moore 353 Process Automation Controller (Design Level "B")	353		YS1700	Yokogawa YS1700 Single Loop Controller
TGX: 353A4FNCNB4		Sample Model Code	YS1700-100/FM	
120/240 Vac (80-264 Vac), 47-63 Hz	A	Power Supply	-1□0 or -1□1	-1□0 for 120 VAC -1□1 for 240 VAC
24 Vdc, +20%, -15%	D		-1□0	24 VDC
Standard Case with Ethernet Connector	4	Mounting Case	Add /A34	Contact the factory if a seismic rating is required.
High Shock & Vibration Case w/ Ethernet Connector	5		Add /A34	
Analog & Digital Displays	F	Operator's Display Panel	-	
Not Required	N	Expansion Board		The YS1700 covers one of the two 353's direct signal inputs. This is present on the YS1700 main unit. If 2 direct signal inputs are required, select an appropriate external Juxta module.
Local I/O Expander (T/C, RTD, Freq, Relay)	1		-□2□/A0x* *See below for details	
Not Required	N	Multi Media Card	-	Not available for YS1700
MMC	C		-	
Not Required	N	Modification Options	-	Contact factory for tokuchu or custom programming.
Controller Modified as detailed in order bill of material	X			
Design Level B	B	Design Level	-	
Not Required	N	Electrical Approval	-	FM nonincendive approved (FM Class I, DIV 2) CSA safety and nonincendive approved (Class I, DIV 2) ABS Marine Type Approval *All units are CE Compliant
FM/CSA non-incendive Class I, Div. 2, Groups A, B, C, D; CE Compliant	4		Add /FM or Add /CSA or Add /S16	
FM/CSA non-incendive Class I, Div. 2, Groups A, B, C, D; CE Compliant; ABS Approved	W			
FM/CSA non-incendive Class I, Div. 2, Groups A, B, C, D	X			
		Yokogawa Options	-	Selection not required or available for YS1700
			□	Can be any selection
			/A01 *	mV input
			/A02 *	Thermocouple input
			/A03 *	RTD input
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			/A06 *	Two wire transmitter (isolated)
		/A07 *	Two wire transmitter (non-isolated)	
		/A08 *	Frequency input	