Technical Information

YS1000 Replacement Guide Overview, Model Conversion



TI 01B08A02-05EN









The contents of this Technical Information are subject to change without notice.



Contents

Introduction	3
1. Format compatibility with old models	2
2. Replacements from the YS100 series	
2.1 Exterior	
2.2 Model conversion	6
3. Replacements from the YS80 series	8
3.1 Exterior	
3.2 Model conversion	11
Revision Information	

Introduction

This manual is useful for hardware selection when updating YS80 or YS100 series panel instruments (controllers, indicators with alarms, manual setters, and manual stations) to the YS1000 series.

This assumes you are updating the instrument, therefore we recommend in this manual that the successor YS1000 series type is YS100 compatible, YS80 internally compatible, or YS80 compatible.

In the substitute model selection examples, we use suffix codes of popular models. Please contact us if you have any questions regarding codes that are not listed.

Documentation for replacement

Name	No.	Description
YS1000 Series Replacement Guide Overview, Model Conversion	TI 01B08A02-05EN	Please read me first. This manual describes the overview, model conversion.
YS1000 Series Replacement Guide Installation and Wiring	TI 01B08A02-06EN	This manual describes the compatibility of installation and wiring with YS100, YS80, EBS, I, EK, HOMAC, and 100 line.
YS1000 Replacement Guide YS170 → YS1700 User Program Conversion	TI 01B08A02-07EN	This manual describes how to read user programs and parameters from the YS100 and convert then to YS1000 data.
YS1000 Replacement Guide SLPC → YS1700 User Program Conversion	TI 01B08A02-08EN	This manual describes how to read user programs and parameters from the SLPC and convert then to YS1000 data.

Notice

- The contents of this manual are subject to change without notice as a result of continuing improvements to the instrument's performance and functions.
- Every effort has been made to ensure accuracy in the preparation of this manual. Should
 any errors or omissions come to your attention, however, please inform Yokogawa
 Electric's sales office or sales representative.
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1. Format compatibility with old models

- There are a variety of format compatibility replacement kits available for the YS1000 series so that you never have to change the installation environment of existing instruments. Panel cut dimensions and depth dimensions from the panel mounting surface remain the same (you can continue to use the existing panel cut and wiring).
- For dimensions not indicated in this manual, see "YS1000" Series Replacement Guide, Installation and Wiring (TI 01B08A02-06EN)."
- → Replacement examples
 - YS170 → YS1700-12 □
 - SLPC → YS1700-13 □
 - SLPC → YS1700-14 □







2. Replacements from the YS100 series

- For the YS100 series standard exterior model, if you select a YS100 compatible format of the YS1000 series (with a basic suffix code of type "2"), you can install it in the existing panel.
- For YS100 series models with non-standard exteriors and differences with recommended models per YS100 series suffix codes, see the materials on the next page.

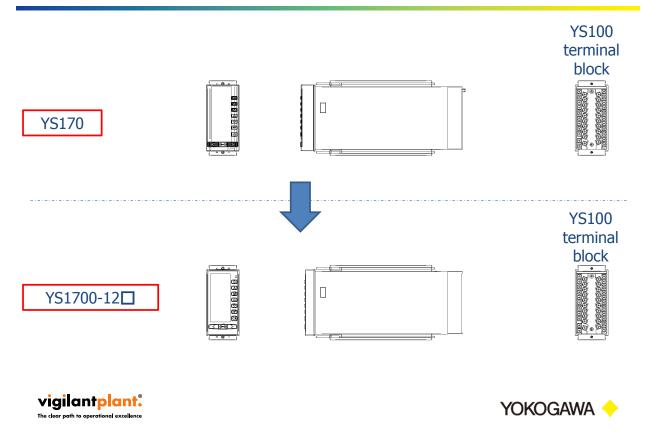




2.1 Exterior YS170 --> YS1700-12 X (YS100 compatible format) (1)



** 2.1 Exterior YS170 --> YS1700-12 X (YS100 compatible format) (2)



2.2 Model conversion from YS170 to YS1700

	Before Replacement (Old Model)			After Replacement (New Model)				
Model	Suffix codes	Option codes	Description	Main Unit	Included	Notes		
YS170			Single Loop Programmable Controller					
	-001		100V version	YS1700-120				
	-002		200V version	YS1700-121				
	-011		100V version	YS1700-120				
	-012		200V version	YS1700-121				
		/D11	Replace for YEWSERIES 80 Internal Unit (Separate	YS1700-130	+ (SHUP-000*A)	*4, *7		
Options		/D12	Closely Mounting for YEWSERIES 80 Housing	YS1700-14□		*5		
related to main			Replace for 100 Line Internal Unit (Order YS006,					
unit selection		/D13	YS100 Housing for 100 Line, separately)	YS1700-15□	+ YS006-000	*6		
unit selection		/CE	CE Mark Approved	YS1700-12□				
		/CSA	CSA Non-incendive Approved	(YS1700-12□ + /CSA)		CSA approval in progress		
		/A01	mV Input	+/A01				
		/A02	TC Input	+/A02				
		/A03	RTD Input	+/A03				
		/A04	Potentiometer	+/A04				
		/A05	Input Isolator	+/A05				
Options		/A06	2-wire Transmitter Input	+/A06				
unrelated to		/A07	2-wire Transmitter Input (no isolation from the field)	+/A07				
		/A08	Frequency Input	+/A08				
main unit		/A12	TC Input	+/A02				
selection		/A13	RTD Input	+/A03				
		/A16	2-wire Transmitter Input	+/A06				
		/A17	2-wire Transmitter Input (no isolation from the field)	+/A07				
		/A31	RS-485	+/A31				
		/A32	DCS-LCS	+/A32				
		/A33	YS-net	+/A31		*1, *3		

YS170-0□1/A31	YS1700-120/A31	
YS170-0□1/A32	YS1700-120/A32	
YS170-0□1/CE	YS1700-120	
YS170-0□2/A06	YS1700-121/A06	
YS170-0□2/A33	YS1700-121/A31 *3, *1	
YS170-0□1/D11	YS1700-130 + SHUP-000*A	
YS170-0□1/CE/A31	YS1700-120/A31	
YS170-0□1/D12	YS1700-140	
YS170-0□1/CE/A16/A31	YS1700-120/A06/A31	
YS170-0□1/A32/D12	YS1700-140/A32	

^{*1} Communication functions differ. Replacement of some models may not be possible.

*3 Please switch instruments involved in communication to RS485.

*4 If the old model is 200 V, the new model main unit and SHUP must also be 200 V.

*5 If the old model is 200 V, the new model main unit must also be 200 V. *6 If the old model is 200 V, the new model main unit must also be 200 V.





2.2 Model conversion from YS150 to YS1500

		Before Replace	ment (Old Model)	After Replace	ment (New Model)	
Model	Suffix codes	Option codes	Description	Main Unit	Included	Notes
YS150			Single Loop Multifunction Controller			
	-001		100V version	YS1500-120		
	-002		200V version	YS1500-121		
	-011		100V version	YS1500-120		
	-012		200V version	YS1500-121		
			Replace for YEWSERIES 80 Internal Unit (Separate			
			ordered for housing or use SHUP that already		(01111111111111111111111111111111111111	
Options related		/D11	mounted)	YS1500-130	+ (SHUP-000*A)	*4, *7
to main unit		/D12		YS1500-14::		*5
selection			Replace for 100 Line Internal Unit (Order YS006,			
Selection		/D13	YS100 Housing for 100 Line, separately)	YS1500-15□	+ YS006-000	*6
		/CE	CE Mark Approved	YS1500-12::		
		/CSA	CSA Non-incendive Approved	(YS1500-12□ + /CSA)		CSA approval in progress
		/A01	mV Input	+/A01		
		/A02	TC Input	+/A02		
		/A03	RTD Input	+/A03		
		/A04	Potentiometer	+/A04		
		/A05	Input Isolator	+/A05		
		/A06	2-wire Transmitter Input	+/A06		
Options		,	2-wire Transmitter Input (no isolation from the			
unrelated to		/A07	field)	+/A07		
main unit		/A08	Frequency Input	+/A08		
selection		/A12	TC Input	+/A02		
		/A13	RTD Input	+/A03		
		/A16	2-wire Transmitter Input	+/A06		
			2-wire Transmitter Input (no isolation from the			
		/A17	field)	+/A07		
		/A31	RS-485	+/A31		
		/A32	DCS-LCS	+/A32		
		/A33	YS-net	+/A31		*1, *3

Replacement examples	
YS150-0□1/A06	YS1500-120/A06
YS150-0□1/A31	YS1500-120/A31
YS150-0□2/A32	YS1500-121/A32
YS150-0□2/D11	YS1500-131 + SHUP-000*A
YS150-0□1/A06/D12	YS1500-140/A06
YS150-0□1/CE	YS1500-120
YS150-0□1/A06/A31	YS1500-120/A06/A31
YS150-0□1/A05/A32	YS1500-120/A05/A31
YS150-0□1/A33	YS1500-120/A31 *1
YS150-0□1/A03/A31/D12	YS1500-140/A03/A31

^{*1} Communication functions differ. Replacement of some models may not be possible.

*1 Communication functions differ. Replacement of some models may not be possible.

3 Please switch instruments involved in communication to RS485.

4 If the old model is 200 V, the new model main unit and SHUP must also be 200 V.

*5 If the old model is 200 V, the new model main unit must also be 200 V.

6 If the old model is 200 V, the new model main unit must also be 200 V.

7 Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)





^{*7} Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)

2.2 Model conversion from YS131 to YS1310

		Before Replacen	nent (Old Model)	After Replace	ement (New Model)	
Model	Suffix codes	Option codes	Description	Main Unit	Included	Notes
YS131			Indicator with Alarm			
	-001		100V version	YS1310-120		
	-002		200V version	YS1310-121		
			Replace for YEWSERIES 80 Internal Unit			
			(Separate ordered for housing or use SHUP			
Options		/D11	that already mounted)	YS1310-130	+ (SHUP-000*A)	*4, *7
related to		/D12	Closely Mounting for YEWSERIES 80 Housing	YS1310-14□		*5
main unit			Replace for 100 Line Internal Unit (Order			
selection		/D13	YS006, YS100 Housing for 100 Line, separately)	YS1310-15□	+ YS006-000	*6
		/CE	CE Mark Approved	YS1310-12□		
		/CSA	CSA Non-incendive Approved	YS1310-12 - + / CSA		CSA approval in progress
		/A01	mV Input	+/A01		
		/A02	TC Input	+/A02		
		/A03	RTD Input	+/A03		
		/A04	Potentiometer	+/A04		
		/A05	Input Isolator	+/A05		
		/A06	2-wire Transmitter Input	+/A06		
Options			2-wire Transmitter Input (no isolation from			
unrelated to		/A07	the field)	+/A07		
main unit		/A08	Frequency Input	+/A08		
selection		/A12	TC Input	+/A02		
		/A13	RTD Input	+/A03		
		/A16	2-wire Transmitter Input	+/A06		
			2-wire Transmitter Input (no isolation from			
		/A17	the field)	+/A07		
		/A31	RS-485	+/A31		
		/A33	YS-net	+/A31		*1, *3

YS131-001	YS1310-120
YS131-001/A06	YS1310-120/A06
YS131-002/A31	YS1310-121/A31
YS131-002/CE	YS1310-121
YS131-001/A03	YS1310-120/A03
YS131-001/A05	YS1310-120/A05
YS131-001/D12	YS1310-140
YS131-001/D11	YS1310-130 + SHUP-000*A
YS131-001/CE/A16	YS1310-120/A06
YS131-001/A33/D11	None

*1 Communication functions differ. Replacement of some models may not be possible.

*3 Please switch instruments involved in communication to RS485.

*4 If the old model is 200 V, the new model main unit and SHUP must also be 200 V.

*5 If the old model is 200 V, the new model main unit must also be 200 V.

*6 If the old model is 200 V, the new model main unit must also be 200 V.

*7 Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)





2.2 Model conversion from YS135 to YS1350

		Before Replac	ement (Old Model)	After Replacement (New Model)				
⁄lodel	Suffix codes	Option codes	Description	Main Unit	Included	Notes		
\$135			Auto/Manual Station (for SV Setting)					
	-001		100V version	YS1350-120				
	-002		200V version	YS1350-121				
			Replace for YEWSERIES 80 Internal Unit					
			(Separate ordered for housing or use SHUP that					
Options		/D11	already mounted)	YS1350-130	+ (SHUP-000*A)	*4, *7		
related to		/D12	Closely Mounting for YEWSERIES 80 Housing	YS1350-14□		*5		
main unit			Replace for 100 Line Internal Unit (Order YS006,					
selection		/D13	YS100 Housing for 100 Line, separately)	YS1350-15□	+ YS006-000	*6		
		/CE	CE Mark Approved	YS1350-12□				
		/CSA	CSA Non-incendive Approved	(YS1350-12□ + /CSA)		CSA approval in progress		
		/A01	mV Input	+/A01				
		/A02	TC Input	+/A02				
		/A03	RTD Input	+/A03				
		/A04	Potentiometer	+/A04				
		/A05	Input Isolator	+/A05				
		/A06	2-wire Transmitter Input	+/A06				
Options			2-wire Transmitter Input (no isolation from the					
inrelated to		/A07	field)	+/A07				
main unit		/A08	Frequency Input	+/A08				
selection		/A12	TC Input	+/A02				
selection		/A13	RTD Input	+/A03				
		/A16	2-wire Transmitter Input	+/A06				
			2-wire Transmitter Input (no isolation from the					
		/A17	field)	+/A07				
		/A31	RS-485	+/A31				
		/A32	DCS-LCS	+/A32				
		/A33	YS-net	+/A31		*1, *3		

Replacement examples YS135-001 YS1350-120

- *4 If the old model is 200 V, the new model main unit and SHUP must also be 200 V.
 *5 If the old model is 200 V, the new model main unit must also be 200 V.
 *6 If the old model is 200 V, the new model main unit must also be 200 V.







^{*1} Communication functions differ. Replacement of some models may not be possible.

*3 Please switch instruments involved in communication to RS485.

^{*7} Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)

2.2 Model conversion from YS136 to YS1360

	Before Replacement (Old Model)			After Replacement (New Model)			
Model	Suffix codes	Option codes	Description	Main Unit	Included	Notes	
YS136			Auto/Manual Station (for MV Setting)				
	-001		100V version	YS1360-120			
	-002		200V version	YS1360-121			
			Replace for YEWSERIES 80 Internal Unit (Separate ordered				
		/D11	for housing or use SHUP that already mounted)	YS1360-130	+ (SHUP-000*A)	*4, *7	
Options related		/D12	Closely Mounting for YEWSERIES 80 Housing	YS1360-14□		*5	
to main unit			Replace for 100 Line Internal Unit (Order YS006, YS100				
selection		/D13	Housing for 100 Line, separately)	YS1360-15□	+ YS006-000	*6	
		/CE	CE Mark Approved	YS1360-12□			
		/CSA	CSA Non-incendive Approved	(YS1360-12□ + /CSA)		CSA approval in progress	
		/A01	mV Input	+/A01			
		/A02	TC Input	+/A02			
		/A03	RTD Input	+/A03			
		/A04	Potentiometer	+/A04			
		/A05	Input Isolator	+/A05			
Options		/A06	2-wire Transmitter Input	+/A06			
unrelated to		/A07	2-wire Transmitter Input (no isolation from the field)	+/A07			
main unit		/A08	Frequency Input	+/A08			
selection		/A12	TC Input	+/A02			
selection		/A13	RTD Input	+/A03			
		/A16	2-wire Transmitter Input	+/A06			
		/A17	2-wire Transmitter Input (no isolation from the field)	+/A07			
		/A31	RS-485	+/A31			
		/A32	DCS-LCS	+/A32			
		/A33	YS-net	+/A31		*1, *3	

Replacement examples	
YS136-001	YS1360-120
YS136-001/CE	YS1360-120
YS136-001/A32	YS1360-120/A31
YS136-002/A05	YS1360-121/A05
YS136-002/D12	YS1360-141
YS136-001/D11	YS1360-130 + SHUP-000*A
YS136-001/A06	YS1360-120/A06
YS136-001/A32/D11	YS1360-130/A32 + SHUP-000*A
YS136-001/A31	YS1360-120/A31
YS136-001/A06/D13	V\$1360-150/A06+V\$006-000

^{*1} Communication functions differ. Replacement of some models may not be possible *3 Please switch instruments involved in communication to RS485.







3. Replacements from the YS80 series

- For the YS80 series standard exterior model, if you are *not* using communication and you select a YS80 compatible format of the YS1000 series (with a basic suffix code of type "3"), you can install it in the existing panel.
- For the YS80 series standard exterior model, if you are using communication and you select a YS80 compatible format of the YS1000 series (with a basic suffix code of type "4"), you can install it in the existing panel. In this case, you must switch to RS485 for communications, including with CENTUM. Please consider the fact that there are also cases where software must be changed.
- For YS80 series models with non-standard exteriors and differences with recommended models per YS80 series suffix codes, see the materials on the next page.



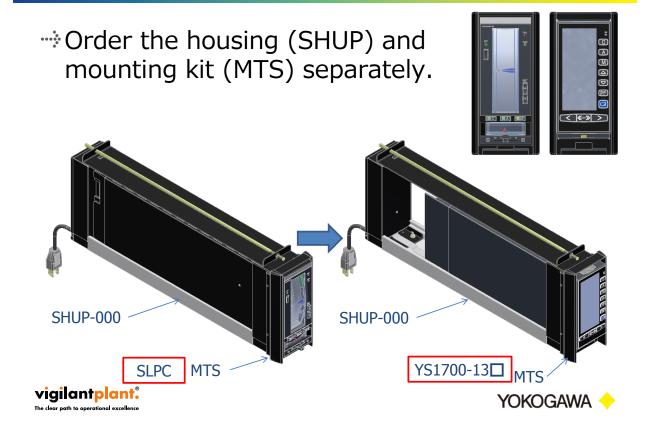


^{*4} If the old model is 200 V, the new model main unit and SHUP must also be 200 V. *5 If the old model is 200 V, the new model main unit must also be 200 V.

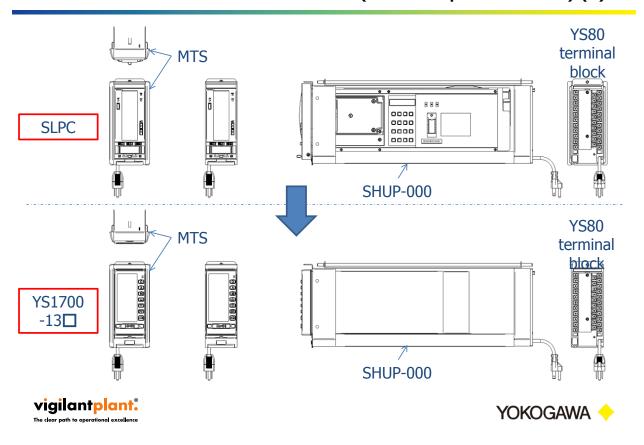
^{*6} If the old model is 200 V, the new model main unit must also be 200 V

^{*7} Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)

3.1 Exterior SLPC --> YS1700-13 X (YS80 compatible format) (1)



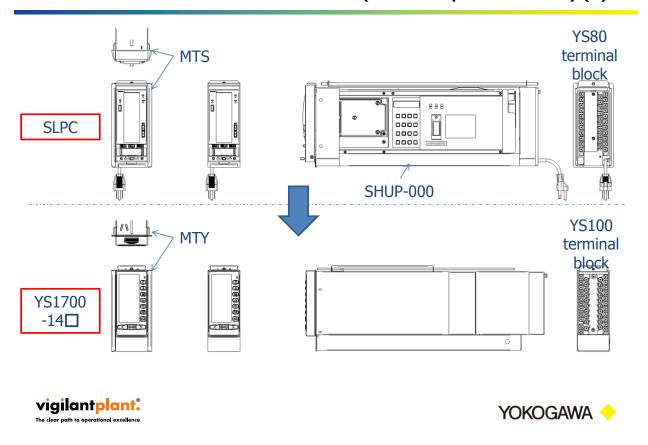
3.1 Exterior SLPC --> YS1700-13 X (YS80 compatible format) (2)



3.1 Exterior SLPC --> YS1700-14 X (YS80 compatible format) (1)



3.1 Exterior SLPC --> YS1700-14 X (YS80 compatible format) (2)



***3.2 Model conversion from SLPC to YS1700

			Before Repla	acement (Old Model)	Afte	er Replacement (New Model), No Communio	ation	After Replacement (New Model), with Communication *10			
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes	Main Unit	Included	Power supply	Notes
SLPC				Programmable Indicating Controller								
	-151			Moving coil type (Enhanced model, with djustable filter)	YS1700-130	+ SHUP-000*A	Plug		YS1700-140/A31		Terminal	*7
	-181			Moving coil type (Enhanced model, with djustable filter and self-tuning)	YS1700-130	+ SHUP-000*A	Plug		YS1700-140/A31		Terminal	*7
	-251			Fluorescent bar graph (Enhanced model, with adjustable filter)	YS1700-130	+ SHUP-000*A	Plug		YS1700-140/A31		Terminal	*7
	-281				YS1700-130	+ SHUP-000*A	Plug		YS1700-140/A31		Terminal	*7
		*E		Style E								
		_	/A2ER	220 V version with plug	YS1700-131	+ SHUP-000*A/A2ER	Plug		YS1700-141/A31		Terminal	*7, *9
Options related		_	/A2	220 V version without plug	YS1700-131	+ SHUP-000*A/A2ER	Plug	*2	YS1700-141/A31		Terminal	*7, *9
to main unit		_	/HTB	Screw terminal for housing	YS1700-130	+SHUP-000*A/HTB	Terminal		YS1700-140/A31		Terminal	*7, *9
selection		_	/100H	100 line housing	YS1700-150	+ YS006-000 *5	Terminal		YS1700-150/A31	+YS006-000	Terminal	*6, *7
			/LH /HEKC	Long housing with terminal EK housing	YS1700-130 YS1700-130	+ SHUP-100*A + SHUP-420*A+RA001	Terminal Terminal	*8	None None			*5
Options			/MTS	With mounting kit	YS1700-130	+ SHUP-====*A/MTS	Terminai	-8	None	1		-5
unrelated to			/WSW	With spring washer		+SHUP-DDD*A/WSW						
main unit			/FBP	Fuse bypass		TOTIOF-DDD A/WOW		токисни				токисни
None			/HA	10 to 50 mA DC output				*3				*3
*1				Bezel color change				*4				
			/NPR	Unprogrammed								
			/UPR	With user program								
No need to			/NHS	Without housing				*2				
consider			/NPE	Nameplate engraving								
			/NP	Nemeplate lettering								
			/LOCK	Plug assembly (for special locking function) K9054F								

Replacement examples		*1 No YS1700 options are available that correspond to the old model options.
SLPC-DD1*E/NPR/MTS	YS1700-130 + SHUP-000*A/MTS	*2 We recommend switching the housing.
SLPC-DD1*E/NPR/MTS/HTB	YS1700-130 + SHUP-000*A/MTS/HTB	*3 Not available internally in the YS1700. Please use an external (JUXTA) signal conditioner.
SLPC-01*E/NPR/MTS/LH	YS1700-130 +SHUP-100*A/MTS	Ex.: FCOA-HA*B (24 VDC power supply) is recommended, but no OOP detection. Load resistance: 220 Ω
SLPC-D1*E/NPR/A2ER/MTS	YS1700-131 + SHUP-000*A/A2ER/MTS	*4 A SHUP-000*A/SCF-G□M is available, but is not being considered for combination with the YS1700.
SLPC-DD1*E/NPR/HEKC	YS1700-130 + SHUP-420*A+RA001	*5 With /LH, does not include communication
SLPC-DD1*E/NPR/NHS	YS1700-130 + SHUP-000*A	*6 Mounting kit uses existing settings
SLPC-DD1*E/NPR/LH	YS1700-130 + SHUP-100*A/MTS	*7 The communication protocol is RS485. RS485 communication must also be used for CENTUM.
SLPC-U1*E/NPR/HTB	YS1700-130 + SHUP-000*A/HTB	*8 The mounting kit for SHUP-420*A is RA001.
SLPC-DD1*E/NPR/A2ER	YS1700-131 + SHUP-000*A/A2ER	*9 The mounting kit for YS1700-14□ is MTY.
SLPC-DD1*E/NPR/A2ER/MTS/NPE	YS1700-131 + SHUP-000*A/A2ER/MTS	*10 We do not recommend selling /A32 (LCS communication) hereafter.







***3.2 Model conversion from SLCD to YS1500

	Before Replacement (Old Model)			After Replacement (New Model), No Communication			After Replacement (New Model), with Communication *10					
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes	Main Unit	Included	Power supply	Notes
SLCD	-151			Indicating Controller Moving coil type (Enhanced model, with djustable	YS1500-130	+ SHUP-000*A	Plug		YS1500-140/A31		Terminal	*7
	-171			Moving coil type (Enhanced model, with djustable filter and self-tuning)	YS1500-130	+ SHUP-000*A	Plug		YS1500-140/A31		Terminal	*7
	-181			Moving coil type (Enhanced model, with djustable filter and self-tuning)	YS1500-130	+ SHUP-000*A	Plug		YS1500-140/A31		Terminal	*7
	-251				YS1500-130	+ SHUP-000*A	Plug		YS1500-140/A31		Terminal	*7
	-281	Fluorescent bar graph (Enhanced model, with adjustable filter and self-tuning function)		adjustable filter and self-tuning function)	YS1500-130	+ SHUP-000*A	Plug		YS1500-140/A31		Terminal	*7
		*E	/A2ER	Style E 220 V version with plug	YS1500-131	+ SHUP-000*A/A2ER	Plug		YS1500-141/A31		Terminal	*7, *9
Options			/AZER	220 V version with plug	YS1500-131	+ SHUP-000*A/A2ER	Plug	*2	YS1500-141/A31		Terminal	*7. *9
related to			/HTB	Screw terminal for housing	YS1500-130	+ SHUP-000*A/HTB	Terminal	-	YS1500-140/A31		Terminal	*7. *9
main unit			/100H	100 line housing	YS1500-150	+ YS006-000 *5	Terminal		YS1500-150/A31	+ YS006-000	Terminal	*6, *7
selection			/LH	Long housing with terminal	YS1500-130	+ SHUP-100*A	Terminal		None			
			/HEKC	EK housing	YS1500-130	+ SHUP-420*A+RA001	Terminal	*8	None			*5
Options			/MTS	With mounting kit		+SHUP-□□□*A/MTS						*7
unrelated to main unit			/wsw	With spring washer		+ SHUP-===*A/WSW						
selection			/FBP	Fuse bypass				токисни				токисни
None *1			/HA	10 to 50 mA DC output				*3				*3
None 1			/SCF-G□M	Bezel color change				*4				
			/NHS	Without housing				*2				
No need to		_	/NPE	Nameplate engraving								
consider			/NP	Nemeplate lettering Plug assembly (for special locking function)								
			/LOCK	K9054F								

Replacement examples		*1 No YS1500 options are available that correspond to the old model options.
SLCD-U1*E/MTS	YS1500-130 + SHUP-000*A/MTS	*2 We recommend switching the housing.
SLCD-U1*E/MTS/LH	YS1500-130 +SHUP-100*A/MTS	*3 Not available internally in the YS1500. Please use an external (JUXTA) signal conditioner.
SLCD-U1*E/MTS/HTB	YS1500-130 + SHUP-000*A/MTS/HTB	Ex.: FCOA-HA*B (24 VDC power supply) recommended, but no OOP detection. Load resistance: 220 Ω
SLCD-U1*E/MTS/LH/NPE	YS1500-130 +SHUP-100*A/MTS	*4 A SHUP-000*A/SCF-G M is available, but is not being considered for combination with the YS1500.
SLCD-□□1*E/HEKC	YS1500-130 + SHUP-420*A+RA001	*5 With /LH, does not include communication
SLCD-U1*E/MTS/NPE/HTB	YS1500-130 + SHUP-000*A/MTS/HTB	*6 Mounting kit uses existing settings
SLCD-U1*E/A2ER/MTS	YS1500-131 + SHUP-100*A/MTS	*7 The communication protocol is RS485. RS485 communication must also be used for CENTUM.
SLCD-U1*E/NPE/100H	YS1500-150 + YS006-000	*8 The mounting kit for SHUP-420*A is RA001.
SLCD-□□1*E/100H	YS1500-150 + YS006-000	*9 The mounting kit for YS1700-14□ is MTY.
SLCD-U1*E/MTS/NPE/HTB/WSW	YS1500-130 + SHUP-000*A/MTS/HTB/WSW	*10 We do not recommend selling /A32 (LCS communication) hereafter.
		NAC





3.2 Model conversion from SIHK to YS1310

	Before Replacement (Old Model)					After Replacement (New Model)					
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes			
SIHK				Indicator (with Alarm)				*11			
	-110				YS1310-130	+ SHUP-000*A	Plug				
		*A		Style A							
			/A2ER	220 V version with plug	YS1310-131	+ SHUP-000*A/A2ER	Plug				
Options			/A2	220 V version without plug	YS1310-131	+SHUP-000*A/A2ER	Plug	*2			
related to			/нтв	Screw terminal for housing	YS1310-130	+SHUP-000*A/HTB	Terminal				
main unit			/100H	100 line housing	YS1310-150	+ YS006-000	Terminal	*6			
selection			/LH	Long housing with terminal	YS1310-130	+ SHUP-100*A	Terminal				
			/HEKC	EK housing	YS1310-130	+ SHUP-420*A	Terminal	*8			
Options unrelated to			/MTS	With mounting kit		+ SHUP-===*A/MTS					
main unit											
selection			/wsw	With spring washer		+SHUP-□□□*A/WSW					
None *1			/SCF-G□M	Bezel color change				*4			
			/NHS	Without housing				*2			
No need to consider			/NP	Nemeplate lettering							
consider			/NPE	Nameplate engraving							

Replacement examples SIHK-110*A/MTS	YS1310-130 + SHUP-000*A/MTS	*2
SIHK-110*A	YS1310-130 + SHUP-000*A	*/
SIHK-110*A/MTS/NP/HTB	YS1310-130 + SHUP-000*A/MTS/HTB	*6
SIHK-110*A/MTS/LH	YS1310-130 + SHUP-100*A/MTS	*8
SIHK-110*A/HEKC	YS1310-130 + SHUP-420*A	*1
SIHK-110*A/A2/MTS	YS1310-131 + SHUP-000*A/A2ER/MTS	
SIHK-110*A/MTS/SCF-G M/NP/HTB	YS1310-130 + SHUP-000*A/MTS/HTB	
SIHK-110*A/NHS	YS1310-130 + SHUP-000*A	
SIHK-110*A/A2/MTS/NP	YS1310-131 + SHUP-000*A/A2ER/MTS	
SIHK-110*A/NP/100H	YS1310-150 + YS006-000	

No YS1310 options are available that correspond to the old model options.

2 We recommend switching the housing. I A SHUP-000*A/SCF-G□M is available, but is not being considered for combination with the YS1700.

Mounting kit uses existing settings The mounting kit for SHUP-420*A is RA001.

11 SHIK uses relay contact for the alarm contact. Replace as needed.
Please set up an external relay.







	Before Replacement (Old Model)			After Re	After Replacement (New Model), No Communication				After Replacement (New Model), with Communication *10			
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes	Main Unit	Included	Power supply	Notes
MST				Auto/Manual Station	YS1350-130	+ SHUP-000*A	Plug		YS1350-140/A31		Terminal	*7
	ľ			With process variable, pushbutton	YS1350-130							
	-111			setpoint setting, 1 to 5 V output	131330-130	+ SHUP-000*A	Plug		YS1350-140/A31		Terminal	*7
		*E		Style E								
			/A2ER	220 V version with plug	YS1350-131	+ SHUP-000*A/A2ER	Plug		YS1350-141/A31		Terminal	*7, *9
Options			/A2	220 V version without plug	YS1350-131	+ SHUP-000*A/A2ER	Plug	*2	YS1350-141/A31		Terminal	*7, *9
related to			/HTB	Screw terminal for housing	YS1350-130	+ SHUP-000*A/HTB	Terminal		YS1350-140/A31		Terminal	*7, *9
main unit			/100H	100 line housing	YS1350-150	+ YS006-000 *5	Terminal		YS1350-150/A31	+YS006-000	Terminal	*6, *7
selection			/LH	Long housing with terminal	YS1350-130	+SHUP-100*A	Terminal		None			
			/HEKC	EK housing	YS1350-130	+ SHUP-420*A+RA001	Terminal	*8	None			*5
Options unrelated to			/MTS	With mounting kit		+ SHUP-===*A/MTS						*7
main unit												
selection			/wsw	With spring washer		+ SHUP-□□□*A/WSW						
None *1			/SCF-G□M	Bezel color change				*4				
			/NHS	Without housing				*2				
No need to			/NPE	Nameplate engraving								
consider			/NP	Nemeplate lettering								
consider				Plug assembly (for special locking	1							
			/LOCK	function) K9054F								

Replacement examples		*1 No YS1350 options are available
SMST-111*E/MTS	YS1350-130 + SHUP-000*A/MTS	*2 We recommend switching the I
SMST-111*E/MTS/HTB	YS1350-130 + SHUP-000*A/MTS/HT	B*3 Not available internally in the
SMST-111*E/HTB	YS1350-130 + SHUP-000*A/HTB	Ex.: FC0A-HA*B (24 VDC power
SMST-111*E/LH	YS1350-130 + SHUP-100*A	*4 A SHUP-000*A/SCF-G□M is avai
SMST-111*E/MTS/LH	YS1350-130 + SHUP-100*A/MTS	*5 With /LH, does not include com
SMST-111*E/NHS	YS1350-130 + SHUP-100*A	*6 Mounting kit uses existing sett

le that correspond to the old model options.

housing.
YS1350. Please use an external (JUXTA) signal conditioner.

resupply) recommended, but no OOP detection. Load resistance: $220\,\Omega$ railable, but is not being considered for combination with the YS1700.

We recommend setting it to RS485 communication, and also changing the CENTUM communication.







^{**}Mounting kit uses existing settings

**The communication protocol is RS485. RS485 communication must also be used for CENTUM.

**B The mounting kit for SHUP-420*A is RA001.

**The mounting kit for VS1700-14a is MTV.

**10 We do not recommend selling /A32 (LCS communication) hereafter.

***3.2 Model conversion from SMST-121 to YS1360

Before Replacement (Old Model)				After R	After Replacement (New Model), No Communication			After Replacement (New Model), with Communication *10				
Model	Suffix codes		Option codes	Description	Main Unit	Included	Power supply	Notes	Main Unit	Included	Power supply	Notes
SMST				Auto/Manual Station	YS1360-130	+ SHUP-000*A	Plug		YS1360-140/A31		Terminal	*7
				With process variable, manuipulated								
				output lever, 4 to 20 mA and 1 to 5 V	YS1360-130							
	-121			output		+ SHUP-000*A	Plug		YS1360-140/A31		Terminal	*7
		*E		Style E								
			/A2ER	220 V version with plug	YS1360-131	+ SHUP-000*A/A2ER	Plug		YS1360-141/A31		Terminal	*7, *9
			/A2	220 V version without plug	YS1360-131	+ SHUP-000*A/A2ER	Plug	*2	YS1360-141/A31		Terminal	*7, *9
Options related to			/HTB	Screw terminal for housing	YS1360-130	+ SHUP-000*A/HTB	Terminal		YS1360-140/A31		Terminal	*7, *9
main unit selection			/100H	100 line housing	YS1360-150	+ YS006-000 *5	Terminal		YS1360-150/A31	+YS006-000	Terminal	*6, *7
			/LH	Long housing with terminal	YS1360-130	+SHUP-100*A	Terminal		None			
			/HEKC	EK housing	YS1360-130	+ SHUP-420*A+RA001	Terminal	*8	None			*5
Options unrelated			/MTS	With mounting kit		+ SHUP-===*A/MTS						*7
to main unit												
selection			/wsw	With spring washer		+ SHUP-□□□*A/WSW						
None *1				Bezel color change				*4				
			/NHS	Without housing				*2				
No need to			/NPE	Nameplate engraving								
No need to consider				Nemeplate lettering								
Consider				Plug assembly (for special locking								
			/LOCK	function) K9054F								

Replacement examples		*1 No YS1360 options are available that correspond to the old model options.
SMST-121*E/MTS	YS1360-131 + SHUP-□□□*A/MTS	*2 We recommend switching the housing.
SMST-121*E/MTS/HTB	YS1360-130 + SHUP-000*A/HTB/MTS	*3 Not available internally in the YS1360. Please use an external (JUXTA) signal conditioner.
SMST-121*E/MTS/LH	YS1360-130 +SHUP-100*A/MTS	Ex.: FCOA-HA*B (24 VDC power supply) recommended, but no OOP detection. Load resistance: 220 Ω
SMST-121*E/HEKC	YS1360-130 + SHUP-420*A+RA001	*4 A SHUP-000*A/SCF-G□M is available, but is not being considered for combination with the YS1700.
SMST-121*E/A2ER/MTS	YS1360-131 + SHUP-000*A/A2ER/MTS	*5 With /LH, does not include communication
SMST-121*E/HTB	YS1360-130 + SHUP-000*A/HTB	*6 Mounting kit uses existing settings
SMST-121*E/A2ER	YS1360-131 + SHUP-000*A/A2ER	*7 The communication protocol is RS485. RS485 communication must also be used for CENTUM.
SMST-121*E/NHS	YS1360-130 + SHUP-000*A	*8 The mounting kit for SHUP-420*A is RA001.
SMST-121*E/NPE/100H	YS1360-130 + YS006-000	*9 The mounting kit for YS1700-14□ is MTY.
SMST-121*E/A2/MTS/NPE/HTB	YS1360-131 + SHUP-000*A/A2ER/MTS	*10 We do not recommend selling /A32 (LCS communication) hereafter.
•	•	We recommend catting it to DCASE communication, and also changing the CENTLIM communication





***3.2 Model conversion from SMLD to YS1360

		Before Replaceme	nt (Old Model)		After Replacement (New Model)				
Model	Suffix codes	Option co	des Description	Main Unit	Included	Power supply	Notes		
MLD			Manual Station				*12		
	-100			YS1360-130	+ SHUP-000*A	Plug			
		*A	Style A						
		/A2ER	220 V version with plug	YS1360-131	+ SHUP-000*A/A2ER	Plug			
Options		/A2	220 V version without plug	YS1360-131	+ SHUP-000*A/A2ER	Plug	*2		
related to		/HTB	Screw terminal for housing	YS1360-130	+ SHUP-000*A/HTB	Terminal			
main unit		/100H	100 line housing	YS1360-150	+ YS006-000	Terminal	*6		
selection		/LH	Long housing with terminal	YS1360-130	+ SHUP-100*A	Terminal			
		/HEKC	EK housing	YS1360-130	+ SHUP-420*A	Terminal	*8		
Options		/MTS	With mounting kit		+ SHUP-□□□*A/MTS				
unrelated to main unit		/wsw	With spring washer		+ SHUP-□□□*A/WSW				
selection		/FBP	Fuse bypass				токисни		
None *1		/SCF-G□N	Bezel color change		No supported options		*4		
		/NHS	Without housing				*2		
M		/NP	Nemeplate lettering						
No need to consider		/NPE	Nameplate engraving						
consider			Plug assembly (for special locking						
	1	/LOCK	function) K9054F	1		1	1		

Replacement examples		*1 No YS1700 options are available that correspond to the old model options.
SMLD-100*A/MTS	YS1360-130 + SHUP-000*A/MTS	*2 We recommend switching the housing.
SMLD-100*A/MTS/HTB	YS1360-130 + SHUP-000*A/MTS	*4 A SHUP-000*A/SCF-G M is available, but is not being considered for combination with the YS1700.
SMLD-100*A/MTS/LH	YS1360-130 + SHUP-100*A/MTS	*6 Mounting kit uses existing settings
SMLD-100*A/A2ER/MTS/NPE	YS1360-131 + SHUP-000*A/A2ER	*8 The mounting kit for SHUP-420*A is RA001.
SMLD-100*A/HEKC	YS1360-130 + SHUP-420*A	*12 Use the MV key for operation output operation.
SMLD-100*A/LH	YS1360-130 + SHUP-100*A/MTS	
SMLD-100*A/A2ER/MTS	YS1360-131 + SHUP-000*A/A2ER	
SMLD-100*A/NHS	YS1360-130 + SHUP-000*A	
SMLD-100*A/NPE/HTB	YS1360-130	
SMLD-100*A/100H	YS1360-130	





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