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

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

■ 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.
- Under no circumstances may the contents of this manual, in part or in whole, be transcribed or copied without our permission.

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- We do not use the TM or ® mark to indicate these trademarks or registered trademarks in this user’s manual.
- All other product names mentioned in this user’s manual are trademarks or registered trademarks of their respective companies.
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 "YS100 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.
Can be replaced as-is

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

YS170
YS1700-12

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

YS170
YS1700-12

YS100 terminal block
YS100 terminal block
### 2.2 Model conversion from YS170 to YS1700

<table>
<thead>
<tr>
<th>Model Suffix codes</th>
<th>Option codes</th>
<th>Description</th>
<th>Main Unit Included Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS1</td>
<td>G01</td>
<td>100V version</td>
<td>YS170-120</td>
</tr>
<tr>
<td>GS2</td>
<td>G02</td>
<td>200V version</td>
<td>YS170-121</td>
</tr>
<tr>
<td>GS3</td>
<td>G03</td>
<td>100V version</td>
<td>YS170-120</td>
</tr>
<tr>
<td>GS4</td>
<td>G04</td>
<td>200V version</td>
<td>YS170-121</td>
</tr>
</tbody>
</table>

**Options related to main unit selection**

- **D11**: Replace for YEWSERIES 80 Internal Unit (Separate ordered for housing or use SHUP that already mounted)
- **D12**: Closely Mounting for YEWSERIES 80 Housing
- **D13**: Replace for 100 Line Internal Unit (Order YS006, YS100 Housing for 100 Line, separately)
- **D14**: CE Mark Approved
- **D15**: CSA Non-incendive Approved
- **D16**: Input Isolator
- **D17**: 2-wire Transmitter Input (no isolation from the field)

**Before Replacement (Old Model)**

- **A01**: Input
- **A02**: TC Input
- **A03**: PT Input
- **A04**: Potentiometer
- **A05**: Frequency Input
- **A06**: 2-wire Transmitter Input
- **A07**: 2-wire Transmitter Input (no isolation from the field)
- **A08**: Frequency Input
- **A12**: 4-wire Thermocouple Input
- **A13**: RTD Input
- **A14**: 2-wire Transmitter Input
- **A15**: 2-wire Transmitter Input (no isolation from the field)
- **A16**: 2-wire Transmitter Input
- **A17**: 2-wire Transmitter Input (no isolation from the field)
- **A31**: RS-485
- **A32**: DCS-LCS
- **A33**: YS-net

**After Replacement (New Model)**

- **A01**: Input
- **A02**: TC Input
- **A03**: PT Input
- **A04**: Potentiometer
- **A05**: Frequency Input
- **A06**: 2-wire Transmitter Input
- **A07**: 2-wire Transmitter Input (no isolation from the field)
- **A08**: Frequency Input
- **A12**: 4-wire Thermocouple Input
- **A13**: RTD Input
- **A14**: 2-wire Transmitter Input
- **A15**: 2-wire Transmitter Input (no isolation from the field)
- **A16**: 2-wire Transmitter Input
- **A17**: 2-wire Transmitter Input (no isolation from the field)
- **A31**: RS-485
- **A32**: DCS-LCS
- **A33**: YS-net

**Replacement examples**

- **YS170-12□**: YS170-12□ + SHUP-000*A
- **YS170-14□**: YS170-14□ + (SHUP-000*A)
- **YS170-1□1**: YS170-1□1 + SHUP-000*A
- **YS170-1□2**: YS170-1□2 + SHUP-000*A

### 2.2 Model conversion from YS150 to YS1500

<table>
<thead>
<tr>
<th>Model Suffix codes</th>
<th>Option codes</th>
<th>Description</th>
<th>Main Unit Included Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS0</td>
<td>G01</td>
<td>100V version</td>
<td>YS150-120</td>
</tr>
<tr>
<td>GS2</td>
<td>G02</td>
<td>200V version</td>
<td>YS150-121</td>
</tr>
<tr>
<td>GS3</td>
<td>G03</td>
<td>100V version</td>
<td>YS150-120</td>
</tr>
<tr>
<td>GS4</td>
<td>G04</td>
<td>200V version</td>
<td>YS150-121</td>
</tr>
</tbody>
</table>

**Options related to main unit selection**

- **D11**: Replace for YEWSERIES 80 Internal Unit (Separate ordered for housing or use SHUP that already mounted)
- **D12**: Closely Mounting for YEWSERIES 80 Housing
- **D13**: Replace for 100 Line Internal Unit (Order YS006, YS100 Housing for 100 Line, separately)
- **D14**: CE Mark Approved
- **D15**: CSA Non-incendive Approved
- **D16**: Input Isolator
- **D17**: 2-wire Transmitter Input (no isolation from the field)
- **D18**: Frequency Input
- **D19**: 4-wire Thermocouple Input
- **D20**: RTD Input
- **D21**: 2-wire Transmitter Input
- **D22**: 2-wire Transmitter Input (no isolation from the field)
- **D23**: RS-485
- **D24**: DCS-LCS
- **D25**: YS-net

**Before Replacement (Old Model)**

- **A01**: Input
- **A02**: TC Input
- **A03**: PT Input
- **A04**: Potentiometer
- **A05**: Frequency Input
- **A06**: 2-wire Transmitter Input
- **A07**: 2-wire Transmitter Input (no isolation from the field)
- **A08**: Frequency Input
- **A12**: 4-wire Thermocouple Input
- **A13**: RTD Input
- **A14**: 2-wire Transmitter Input
- **A15**: 2-wire Transmitter Input (no isolation from the field)
- **A16**: 2-wire Transmitter Input
- **A17**: 2-wire Transmitter Input (no isolation from the field)
- **A31**: RS-485
- **A32**: DCS-LCS
- **A33**: YS-net

**After Replacement (New Model)**

- **A01**: Input
- **A02**: TC Input
- **A03**: PT Input
- **A04**: Potentiometer
- **A05**: Frequency Input
- **A06**: 2-wire Transmitter Input
- **A07**: 2-wire Transmitter Input (no isolation from the field)
- **A08**: Frequency Input
- **A12**: 4-wire Thermocouple Input
- **A13**: RTD Input
- **A14**: 2-wire Transmitter Input
- **A15**: 2-wire Transmitter Input (no isolation from the field)
- **A16**: 2-wire Transmitter Input
- **A17**: 2-wire Transmitter Input (no isolation from the field)
- **A31**: RS-485
- **A32**: DCS-LCS
- **A33**: YS-net

**Replacement examples**

- **YS150-12□**: YS150-12□ + SHUP-000*A
- **YS150-14□**: YS150-14□ + (SHUP-000*A)
- **YS150-1□1**: YS150-1□1 + SHUP-000*A
- **YS150-1□2**: YS150-1□2 + SHUP-000*A

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*Communication functions differ. Replacement of some models may not be possible.*
## 2.2 Model conversion from YS131 to YS1310

<table>
<thead>
<tr>
<th>Model</th>
<th>Suffix codes</th>
<th>Options codes</th>
<th>Description</th>
<th>Main Unit</th>
<th>Included</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>YS131</td>
<td>-001</td>
<td></td>
<td>Indicator with Alarm</td>
<td>YS1310-120</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-002</td>
<td></td>
<td>100V version</td>
<td>YS1310-121</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Options related to main-unit selection</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D11</td>
<td>Replace for YWSERIES B0 Internal Unit (Separate ordered for housing or use SHUP that already mounted)</td>
<td>YS1310-130</td>
<td>+ (SHUP-000A-A)</td>
<td>1, 4, 7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D12</td>
<td>Closely Mounting for YWSERIES B0 Housing</td>
<td>YS1310-14-</td>
<td></td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D13</td>
<td>Replace for 100V Internal Unit</td>
<td>YS1310-15-</td>
<td>+ YS006-000</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CE</td>
<td>E Mark Approved</td>
<td>YS1310-12-</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D1A</td>
<td>NA Non-invasive Approved</td>
<td>YS1310-122-</td>
<td>+ /CE/A16</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Options unrelated to main-unit selection</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A01</td>
<td>mV Input</td>
<td>+</td>
<td>/A01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A02</td>
<td>TC Input</td>
<td>+</td>
<td>/A02</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A03</td>
<td>PTB Input</td>
<td>+</td>
<td>/A03</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A04</td>
<td>Potentiometer</td>
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<td>/A04</td>
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<td></td>
</tr>
<tr>
<td>A05</td>
<td>Input Isolator</td>
<td>+</td>
<td>/A05</td>
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<tr>
<td>A06</td>
<td>2-wire Transmitter Input</td>
<td>+</td>
<td>/A06</td>
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<td></td>
<td></td>
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<tr>
<td>A07</td>
<td>2-wire Transmitter Input (no isolation from the field)</td>
<td>+</td>
<td>/A07</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A08</td>
<td>Frequency Input</td>
<td>+</td>
<td>/A08</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A11</td>
<td>TC Input</td>
<td>+</td>
<td>/A11</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>A12</td>
<td>PTB Input</td>
<td>+</td>
<td>/A12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A13</td>
<td>2-wire Transmitter Input</td>
<td>+</td>
<td>/A13</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A14</td>
<td>2-wire Transmitter Input (no isolation from the field)</td>
<td>+</td>
<td>/A14</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>A15</td>
<td>RS-485</td>
<td>+</td>
<td>/A15</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A31</td>
<td>RS-485</td>
<td>+</td>
<td>/A31</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Replacement examples:
- YS131-001 | YS1310-120
- YS131-002/A01 | YS1310-121/A11
- YS131-002/C5 | YS1310-121/C11
- YS131-002/CE | YS1310-121/CE
- YS131-002/A06 | YS1310-121/A06
- YS131-002/A03 | YS1310-121/A03
- YS131-002/D11 | YS1310-121/D11
- YS131-002/C33 | YS1310-121/C33

### Notes:
- *1 Communication functions differ. Replacement of some models may not be possible.
- *2 Please switch instruments involved in communication to RS485.
- *3 If the old model is 200 V, the new model main unit must also be 200 V.
- *4 Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)

## 2.2 Model conversion from YS135 to YS1350

<table>
<thead>
<tr>
<th>Model</th>
<th>Suffix codes</th>
<th>Option codes</th>
<th>Description</th>
<th>Main Unit</th>
<th>Included</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>YS135</td>
<td>-001</td>
<td></td>
<td>Auto/Manual Station (for SV setting)</td>
<td>YS1350-120</td>
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<tr>
<td></td>
<td>-002/A01</td>
<td></td>
<td>100V version</td>
<td>YS1350-121</td>
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<td></td>
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<tr>
<td>Options related to main-unit selection</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>D11</td>
<td>Replace for YWSERIES B0 Internal Unit (Separate ordered for housing or use SHUP that already mounted)</td>
<td>YS1350-130</td>
<td>+ (SHUP-000A-A)</td>
<td>4, 7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D12</td>
<td>Closely Mounting for YWSERIES B0 Housing</td>
<td>YS1350-14-</td>
<td></td>
<td>5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D13</td>
<td>Replace for 100V Internal Unit</td>
<td>YS1350-15-</td>
<td>+ YS006-000</td>
<td>6</td>
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<td>CE</td>
<td>E Mark Approved</td>
<td>YS1350-12-</td>
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<td>D1A</td>
<td>NA Non-invasive Approved</td>
<td>YS1350-122-</td>
<td>+ /CE/A16</td>
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<tr>
<td>Options unrelated to main-unit selection</td>
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</tr>
<tr>
<td>A01</td>
<td>mV Input</td>
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<td>A02</td>
<td>TC Input</td>
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<tr>
<td>A04</td>
<td>PTB Input</td>
<td>+</td>
<td>/A04</td>
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<tr>
<td>A05</td>
<td>Input Isolator</td>
<td>+</td>
<td>/A05</td>
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<tr>
<td>A06</td>
<td>2-wire Transmitter Input</td>
<td>+</td>
<td>/A06</td>
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<tr>
<td>A07</td>
<td>2-wire Transmitter Input (no isolation from the field)</td>
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<tr>
<td>A08</td>
<td>Frequency Input</td>
<td>+</td>
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<tr>
<td>A11</td>
<td>TC Input</td>
<td>+</td>
<td>/A11</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>A12</td>
<td>PTB Input</td>
<td>+</td>
<td>/A12</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>A14</td>
<td>2-wire Transmitter Input</td>
<td>+</td>
<td>/A14</td>
<td></td>
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</tr>
<tr>
<td>A17</td>
<td>2-wire Transmitter Input (no isolation from the field)</td>
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</tr>
<tr>
<td>A31</td>
<td>RS-485</td>
<td>+</td>
<td>/A31</td>
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<td></td>
</tr>
<tr>
<td>A32</td>
<td>XCS-4CS</td>
<td>+</td>
<td>/A32</td>
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</table>

Replacement examples:
- YS135-001 | YS1350-120

### Notes:
- *1 Communication functions differ. Replacement of some models may not be possible.
- *2 Please switch instruments involved in communication to RS485.
- *3 If the old model is 200 V, the new model main unit must also be 200 V.
- *4 If the old model is 200 V, the new model main unit must also be 200 V.
- *5 Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)
### 2.2 Model conversion from YS136 to YS1360

<table>
<thead>
<tr>
<th>Model</th>
<th>Suffix codes</th>
<th>Option codes</th>
<th>Description</th>
<th>Main Unit</th>
<th>Included</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>YS136</td>
<td>-001</td>
<td>Auto/Manual Station (for MV Setting)</td>
<td>YS136-120</td>
<td>YS136-121</td>
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<tr>
<td></td>
<td>-002</td>
<td>SPD version</td>
<td>YS136-120</td>
<td>YS136-121</td>
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</table>

**Options related to main unit selection**

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>Main Unit</th>
<th>Included</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>DS11</td>
<td>Replace for YEWSERIES 80 Internal Unit (Separate ordered for housing or use SHUP that already mounted)</td>
<td>YS136-130</td>
<td>YS136-131</td>
<td></td>
</tr>
<tr>
<td>DS12</td>
<td>Closely Mounting for YEWSERIES 80 Housing</td>
<td>YS136-120</td>
<td>YS136-121</td>
<td></td>
</tr>
<tr>
<td>DS13</td>
<td>Housing for 100 Line, separately</td>
<td>YS136-130</td>
<td>YS136-131</td>
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<tr>
<td>DS14</td>
<td>CE Mark Approved</td>
<td>YS136-120</td>
<td>YS136-121</td>
<td></td>
</tr>
<tr>
<td>DS15</td>
<td>CSA Non-Incendive Approved (YS136-12□ + /CSA)</td>
<td>YS136-120</td>
<td>YS136-121</td>
<td></td>
</tr>
</tbody>
</table>

**Options unrelated to main unit selection**

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>Main Unit</th>
<th>Included</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A01</td>
<td>TC Input</td>
<td>/A01</td>
<td>/A02</td>
<td></td>
</tr>
<tr>
<td>A02</td>
<td>PT100 Input</td>
<td>/A02</td>
<td>/A03</td>
<td></td>
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<tr>
<td>A03</td>
<td>ReferenceVibrator</td>
<td>/A04</td>
<td>/A05</td>
<td></td>
</tr>
<tr>
<td>A05</td>
<td>Input Isolator</td>
<td>/A05</td>
<td>/A06</td>
<td></td>
</tr>
<tr>
<td>A06</td>
<td>2-wire Transmitter input</td>
<td>/A06</td>
<td>/A07</td>
<td></td>
</tr>
<tr>
<td>A07</td>
<td>2-wire Transmitter input (no isolation from the field)</td>
<td>/A07</td>
<td>/A08</td>
<td></td>
</tr>
<tr>
<td>A08</td>
<td>Frequency Input</td>
<td>/A08</td>
<td>/A09</td>
<td></td>
</tr>
<tr>
<td>A12</td>
<td>PRT Input</td>
<td>/A12</td>
<td>/A13</td>
<td></td>
</tr>
<tr>
<td>A13</td>
<td>YS136-12□</td>
<td>/A13</td>
<td>/A14</td>
<td></td>
</tr>
<tr>
<td>A16</td>
<td>2-wire Transmitter input</td>
<td>/A16</td>
<td>/A17</td>
<td></td>
</tr>
<tr>
<td>A17</td>
<td>2-wire Transmitter input (no isolation from the field)</td>
<td>/A17</td>
<td>/A18</td>
<td></td>
</tr>
<tr>
<td>A18</td>
<td>RS-485</td>
<td>/A18</td>
<td>/A19</td>
<td></td>
</tr>
<tr>
<td>A31</td>
<td>4-20mA</td>
<td>/A31</td>
<td>/A32</td>
<td></td>
</tr>
<tr>
<td>A32</td>
<td>4-20mA</td>
<td>/A32</td>
<td>/A33</td>
<td></td>
</tr>
<tr>
<td>A33</td>
<td>4-20mA</td>
<td>/A33</td>
<td>/A34</td>
<td></td>
</tr>
</tbody>
</table>

**Replacement examples**

<table>
<thead>
<tr>
<th>Before Replacement (Old Model)</th>
<th>After Replacement (New Model)</th>
</tr>
</thead>
<tbody>
<tr>
<td>YS136-001/A06</td>
<td>YS136-12□</td>
</tr>
<tr>
<td>YS136-002/A05</td>
<td>YS136-12□</td>
</tr>
<tr>
<td>YS136-001/A32</td>
<td>YS136-12□</td>
</tr>
<tr>
<td>YS136-001/A31</td>
<td>YS136-12□</td>
</tr>
<tr>
<td>YS136-002/A05</td>
<td>YS136-12□</td>
</tr>
<tr>
<td>YS136-011/A11</td>
<td>YS136-12□</td>
</tr>
<tr>
<td>YS136-001/A06</td>
<td>YS136-12□</td>
</tr>
<tr>
<td>YS136-001/A32/D11</td>
<td>YS136-12□</td>
</tr>
<tr>
<td>YS136-001/A31</td>
<td>YS136-12□</td>
</tr>
<tr>
<td>YS136-001/A30</td>
<td>YS136-12□</td>
</tr>
</tbody>
</table>

**Notes:**

- *1 Communication functions differ. Replacement of some models may not be possible.
- *2 Please switch instruments involved in communication to RS485.
- *3 If the old model is 200 V, the new model main unit and SHUP must also be 200 V.
- *4 If the old model is 200 V, the new model main unit must also be 200 V.
- *5 A housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)
- *6 Use a housing that is compatible with the current housing. (SHUP-000, SHUP-100, SHUP-420)
- *7 CSA approval in progress
- *8 CSA approval in progress

### 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.
Order the housing (SHUP) and mounting kit (MTS) separately.

3.1 Exterior SLPC --> YS1700-13 X (YS80 compatible format) (2)
Order the mounting kit (MTY) separately.

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

YS100 terminal block

YS80 terminal block

SHUP-000
3.2 Model conversion from SLPC to YS1700

<table>
<thead>
<tr>
<th>Model</th>
<th>Option codes</th>
<th>Description</th>
<th>Main Unit Included</th>
<th>Power supply Notes</th>
<th>Main Unit Included</th>
<th>Power supply Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLPC</td>
<td>YS1500-150 + SHUP-000*A Plug YS1500-140/A31 Terminal</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLPC</td>
<td>YS1500-130 + SHUP-000*A Plug YS1500-140/A31 Terminal</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLPC</td>
<td>YS1500-110 + SHUP-000*A Plug YS1500-140/A31 Terminal</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLPC</td>
<td>YS1500-090 + SHUP-000*A Plug YS1500-140/A31 Terminal</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLPC</td>
<td>YS1700-130 + SHUP-000*A Plug YS1500-140/A31 Terminal</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLPC</td>
<td>YS1700-110 + SHUP-000*A Plug YS1500-140/A31 Terminal</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLPC</td>
<td>YS1700-090 + SHUP-000*A Plug YS1500-140/A31 Terminal</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Options related to main unit selection

- /LH: Long housing
- /100H: 100 line housing
- /A2: 220 V version without plug
- /A2ER: 220 V version with plug
- /SCF-G□M: SCF-G□M with spring washer
- /HA: 10 to 50 mA DC output
- /A2ER/MTS: 220 V version with plug and mounting kit
- /RA001: Mounting kit for YS1700-14□
- /MTS/HTB: Mounting kit with screw terminal for housing
- /HTB: Screw terminal for housing
- /WSW: With spring washer
- /WSW/MTS: With spring washer and mounting kit
- /WSW/HTB: With spring washer and screw terminal
- /HTB: With screw terminal
- /WP: With plug assembly

Before Replacement (Old Model)

- YS1500-150 + YS006-000
- YS1500-130 + SHUP-000*A/MTS
- YS1500-110 + SHUP-000*A
- YS1500-090 + SHUP-000*A
- YS1700-130 + SHUP-000*A/MTS
- YS1700-110 + SHUP-000*A
- YS1700-090 + SHUP-000*A

After Replacement (New Model)

- YS1500-150 + SHUP-000*A Plug YS1500-140/A31 Terminal
- YS1500-130 + SHUP-000*A Plug YS1500-140/A31 Terminal
- YS1500-110 + SHUP-000*A Plug YS1500-140/A31 Terminal
- YS1500-090 + SHUP-000*A Plug YS1500-140/A31 Terminal

3.2 Model conversion from SLCD to YS1500

<table>
<thead>
<tr>
<th>Model</th>
<th>Option codes</th>
<th>Description</th>
<th>Main Unit Included</th>
<th>Power supply Notes</th>
<th>Main Unit Included</th>
<th>Power supply Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLCD</td>
<td>SLCDー□□□/E/□□□□□/□□□□□</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLCD</td>
<td>SLCDー□□□/E/□□□□□/□□□□□</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLCD</td>
<td>SLCDー□□□/E/□□□□□/□□□□□</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLCD</td>
<td>SLCDー□□□/E/□□□□□/□□□□□</td>
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</tr>
<tr>
<td>SLCD</td>
<td>SLCDー□□□/E/□□□□□/□□□□□</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SLCD</td>
<td>SLCDー□□□/E/□□□□□/□□□□□</td>
<td>No need to consider</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Options related to main unit selection

- /LP: Low power
- /NP: No program
- /NPE: Nameplate engraving
- /NHS: With housing
- /LOCK: Plug assembly (for special locking function)
- /NPR: Unprogrammed
- /UPR: With user program
- /HEKC: EK housing
- /HTB: Screw terminal for housing
- /A2: 220 V version without plug
- /A2ER: 220 V version with plug
- /SCF-G□M: SCF-G□M with spring washer
- /HA: 10 to 50 mA DC output
- /WSW: With spring washer
- /MTS: With mounting kit
- /100H: 100 line housing
- /WSW/MTS: With spring washer and mounting kit
- /HTB/WSW: With screw terminal and spring washer
- /HTB: With screw terminal
- /WP: With plug assembly

Before Replacement (Old Model)

- YS1500-150 + YS006-000
- YS1500-130 + SHUP-000*A/MTS
- YS1500-110 + SHUP-000*A
- YS1500-090 + SHUP-000*A
- YS1700-130 + SHUP-000*A/MTS
- YS1700-110 + SHUP-000*A
- YS1700-090 + SHUP-000*A

After Replacement (New Model)

- YS1500-150 + SHUP-000*A Plug YS1500-140/A31 Terminal
- YS1500-130 + SHUP-000*A Plug YS1500-140/A31 Terminal
- YS1500-110 + SHUP-000*A Plug YS1500-140/A31 Terminal
- YS1500-090 + SHUP-000*A Plug YS1500-140/A31 Terminal

We recommend setting the RS485 communication, and also changing the CENTUM communication.
### 3.2 Model conversion from SIHK to YS1310

<table>
<thead>
<tr>
<th>Model</th>
<th>Option codes</th>
<th>Description</th>
<th>Main Unit</th>
<th>Included</th>
<th>Power supply</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIHK</td>
<td>*11</td>
<td>Indicator (with Alarm)</td>
<td>YS1310-130</td>
<td>+ SHUP-000*A</td>
<td>Plug</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>A</td>
<td>Type A</td>
<td>YS1310-131</td>
<td>+ SHUP-000*A/A2ER</td>
<td>Plug</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>HTB</td>
<td>Screw terminal for housing</td>
<td>YS1310-130</td>
<td>+ SHUP-000*A/HTB</td>
<td>Terminal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LTH</td>
<td>Long housing with terminal</td>
<td>YS1310-130</td>
<td>+ SHUP-100*A</td>
<td>Terminal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MTC</td>
<td>4 housing</td>
<td>YS1310-130</td>
<td>+ SHUP-000*A</td>
<td>Terminal</td>
<td></td>
</tr>
</tbody>
</table>

Options related to main unit selection

- **NTH** With mounting kit
- **NHS** Without housing
- **NP** Nameplate lettering
- **NPE** Nameplate engraving

### Replacement examples

- **YS1310-130 + SHUP-000*A/MTS**
- **YS1310-130 + SHUP-000*A**
- **YS1310-131 + SHUP-000*A/A2ER/MTS**
- **YS1310-131 + SHUP-000*A**
- **YS1310-131 + SHUP-000*A/A2ER/HTB**
- **YS1310-131 + SHUP-000*A/HTB**
- **YS1310-131 + SHUP-000*A/100H**
- **YS1310-131 + SHUP-000*A/LH**
- **YS1310-131 + SHUP-000*A/HEKC**
- **YS1310-131 + SHUP-000*A/MTC**
- **YS1310-131 + SHUP-000*A/WSW**

### Options related to main unit selection

- **SCF-G□M** Bezel color change
- **NHS** Without housing
- **NP** Nameplate lettering
- **NM** Nameplate engraving

### Notes

- **SIHK** uses relay contact for the alarm contact. Replace as needed.
- **YS1310-131 + SHUP-000*A/A2ER/MTS** Please set up an external relay.

---

### 3.2 Model conversion from SMST-111 to YS1350

<table>
<thead>
<tr>
<th>Model</th>
<th>Option codes</th>
<th>Description</th>
<th>Main Unit</th>
<th>Included</th>
<th>Power supply</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMST</td>
<td>-111</td>
<td>Auto/Manual Station</td>
<td>YS1350-140/A31</td>
<td>+ SHUP-000*A</td>
<td>Plug</td>
<td></td>
</tr>
<tr>
<td></td>
<td>E</td>
<td>Style E</td>
<td>YS1350-141/A31</td>
<td>+ SHUP-000*A</td>
<td>Plug</td>
<td>*7, *9</td>
</tr>
<tr>
<td></td>
<td>HTB</td>
<td>Screw terminal for housing</td>
<td>YS1350-130</td>
<td>+ SHUP-000*A/HTB</td>
<td>Terminal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>100H</td>
<td>100 line housing</td>
<td>YS1350-150</td>
<td>+ YS006-000</td>
<td>Terminal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LH</td>
<td>Long housing with terminal</td>
<td>YS1350-130</td>
<td>+ SHUP-100*A</td>
<td>Terminal</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MTC</td>
<td>4 housing</td>
<td>YS1350-130</td>
<td>+ SHUP-000*A</td>
<td>Terminal</td>
<td></td>
</tr>
</tbody>
</table>

Options related to main unit selection

- **NTH** With mounting kit
- **NHS** Without housing
- **NP** Nameplate lettering
- **NPE** Nameplate engraving
- **LOCK** Plug assembly (for special locking function) K9054F

### Replacement examples

- **YS1350-130 + SHUP-000*A/MTS**
- **YS1350-130 + SHUP-000*A**
- **YS1350-130 + SHUP-000*A/HTB**
- **YS1350-130 + SHUP-000*A/100H**
- **YS1350-130 + SHUP-000*A/LH**
- **YS1350-130 + SHUP-000*A/HEKC**
- **YS1350-130 + SHUP-000*A/MTC**

### Notes

- **SMST**-111*E/NHS
- **SMST**-111*E/MTS
- **SMST**-111*E/MTS/HTB
- **SMST**-111*E/HTB
- **SMST**-111*E/LH
- **SMST**-111*E/MTS/LH

---

TI01B08A02-05EN 2014.06.13
### 3.2 Model conversion from SMST-121 to YS1360

<table>
<thead>
<tr>
<th>Model</th>
<th>Option codes</th>
<th>Description</th>
<th>Main Unit</th>
<th>Included</th>
<th>Power supply</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>YS1360-150</td>
<td>SHUP-000*A/HTB</td>
<td>Terminal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>YS1360-131</td>
<td>SHUP-000*A/A2ER Plug</td>
<td>Plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>YS1360-140/A31</td>
<td>SHUP-000*A/HTB</td>
<td>Terminal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Options related to main unit selection:
- A2ER 220 V version with plug
- A2 120 V version without plug
- HTB Stow terminal for housing
- LHS 100 line terminal
- HEKC EH housing
- LHS Long housing with terminal

Options unrelated to main unit selection:
- MTS With mounting kit
- MTS/LH Long housing with terminal

### 3.2 Model conversion from SMLD to YS1360

<table>
<thead>
<tr>
<th>Model</th>
<th>Option codes</th>
<th>Description</th>
<th>Main Unit</th>
<th>Included</th>
<th>Power supply</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>YS1360-130</td>
<td>SHUP-000*A</td>
<td>Terminal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>YS1360-131</td>
<td>SHUP-000*A/A2ER Plug</td>
<td>Plug</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Options related to main unit selection:
- A2ER 220 V version with plug
- A2 120 V version without plug
- HTB Stow terminal for housing
- LHS 100 line terminal
- HEKC EH housing
- LHS Long housing with terminal

Options unrelated to main unit selection:
- MTS With mounting kit
- MTS/LH Long housing with terminal

Replacement examples:
- SMST-121*E/A2/MTS/NPE/HTB
- SMST-121*E/HEKC
- SMST-121*E/MTS/LH
- SMST-121*E/MTS/HTB
- SMST-121*E/MTS

Replacement examples:
- SMLD-100*A/NPE/HTB
- SMLD-100*A/NHS
- SMLD-100*A/A2ER/MTS
- SMLD-100*A/LH
- SMLD-100*A/A2ER/MTS/NPE
- SMLD-100*A/MTS/LH
- SMLD-100*A/MTS/HTB
- SMLD-100*A/MTS

Options unrelated to main unit selection:
- MTS With mounting kit
- MTS/LH Long housing with terminal

Options related to main unit selection:
- A2ER 220 V version with plug
- A2 120 V version without plug
- HTB Stow terminal for housing
- LHS 100 line terminal
- HEKC EH housing
- LHS Long housing with terminal

Options unrelated to main unit selection:
- MTS With mounting kit
- MTS/LH Long housing with terminal

Replacement examples:
- SMST-121*E/A2/MTS/NPE/HTB
- SMST-121*E/HEKC
- SMST-121*E/MTS/LH
- SMST-121*E/MTS/HTB
- SMST-121*E/MTS

Replacement examples:
- SMLD-100*A/NPE/HTB
- SMLD-100*A/NHS
- SMLD-100*A/A2ER/MTS
- SMLD-100*A/LH
- SMLD-100*A/A2ER/MTS/NPE
- SMLD-100*A/MTS/LH
- SMLD-100*A/MTS/HTB
- SMLD-100*A/MTS

Options unrelated to main unit selection:
- MTS With mounting kit
- MTS/LH Long housing with terminal

Options related to main unit selection:
- A2ER 220 V version with plug
- A2 120 V version without plug
- HTB Stow terminal for housing
- LHS 100 line terminal
- HEKC EH housing
- LHS Long housing with terminal

Options unrelated to main unit selection:
- MTS With mounting kit
- MTS/LH Long housing with terminal

Reference: YOKOGAWA
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