Field Communication Software

Model CFS100 [Ver. 3.4]

Overview
Field Communication Software Model CFS100 allows the user to configure and adjust smart field devices using a PC.

In addition to supporting Azbil Corporation’s proprietary SFN communication protocol for smart field devices, with a change of the communication interface Model CFS100 supports both the HART and SFN communication protocols. Parameter settings can be saved to simplify field device management.

Features
Supports HART and SFN communication protocols.

With a change of the communication interface, Model CFS100 supports both the HART and SFN communication protocols.

Ease-of-use increases fieldwork efficiency
The easy-of-use five-point check function increases efficiency during loop checks.

Easy management of configured parameters
• Parameter settings can be saved by Tag No.
• As needed, parameter settings can be exported as either a CSV file (text file) or as a PDF.

Supported models

<table>
<thead>
<tr>
<th>Supported Models</th>
<th>Communication Protocol</th>
<th>Operation Manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Transmitter Model GTK/Model JTK/Model LSL/Model LSLC</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ST7000 Transmitter</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ST7000 Smart Multivariable Flow Transmitter Model (JTD76A)</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Magnetic Flowmeter Model MFN</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Advanced Temperature Transmitter Model ATF/Model ATFP</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Smart Valve Positioner Model AVP500</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Smart Valve Positioner Model AVP200</td>
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<td>✓</td>
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<tr>
<td>Smart Valve Positioner Model AVP700</td>
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<td>Smart Valve Positioner Model AVP750</td>
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<tr>
<td>Smart Valve Positioner Model AVP800</td>
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<tr>
<td>Smart Valve Positioner Model AVP900</td>
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<td>✓</td>
</tr>
</tbody>
</table>

Note: Personal computers are sold separately.

Specifications

PC system
• Software
  - OS: Windows 7 Professional, Windows 8.1 Pro or Windows 10 Pro
  (32-bit or 64-bit, Japanese or English edition)
  *1. Operation with Windows 10 is guaranteed as of July, 2018. Since Windows 10 is supposed to be continually updated with upgrade programs, future operation cannot be guaranteed.

• Hardware
  - Free disk space: 500 MB min.
  - USB ports: One, USB 2.0 or higher
  - CD-ROM drive: Needed for installation only
  Note: Do not install any application on the PC other than the software required by Model CFS100.
  Installing or using Model CFS100 requires logging onto Windows as an administrator.

SFN communication interface
USB connection: USB 2.0
Power: Supplied via the USB port
(rated current 22 mA; max. 30 mA)
Connection to PC: USB Type A plug
Connection to device: Alligator clip or easy hook
Environment:
- Operating temperature: 0 to +50°C
- Transport/storage temp.: -40 to +70°C
- Operating humidity: 5 to 95 % RH

HART communication interface
Azbil Corporation recommends the following and does not guarantee the operation of other products.

Manufacturer: MACTek Corporation
Model number: Model 010031
(USB connection type)
Note: HART communication cannot communicate simultaneously with multiple HART hosts.

*This product is designed for general industrial use.*

11th edition
Model Number Configuration Table
Field Communication Software Model CFS100

<table>
<thead>
<tr>
<th>Base number</th>
<th>CFS100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection</td>
<td>USB connection (U)</td>
</tr>
<tr>
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<td>X</td>
</tr>
<tr>
<td>SFN communications interface (alligator clip)</td>
<td>1</td>
</tr>
<tr>
<td>SFN communications interface (easy hook)</td>
<td>2</td>
</tr>
<tr>
<td>Option</td>
<td>none</td>
</tr>
</tbody>
</table>

*1. To use the HART communication protocol, select “X” here, and purchase the HART communication interface separately.

Connection Example

Figure 1. Example of SFN communication connection.

Note: Your device's connection may differ from the image above. Please refer to your device's instruction manual.

External Dimensions

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https://www.azbil.com/products/factory/order.html

Specifications are subject to change without notice.

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