

# Field Communication Software

Model CFS100 [Ver. 3.6]

## Overview

Field Communication Software model CFS100 allows the user to configure and adjust smart field devices using a PC. Parameter settings can be saved to simplify field device management.

## Features

### Supports HART and SFN communication protocols.

If the separately sold Smart HART Modem is used, model CFS100 can connect to devices not only via SFN communication, which is used by Azbil's smart devices, but also via HART communication.

### 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.

## Specifications

### PC system

#### • Software

OS: Windows10 Pro, Windows11 Pro\*

(32-bit or 64-bit, Japanese or English edition)

- \* Operation with Windows is guaranteed as of August, 2022. Since Windows 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.

### Model No.

CFS100-UX-X

### Interface for HART/SFN communication (sold separately)

Product name: Smart HART Modem

Model No.: AZ-1SHM-1

Connection to PC: USB 2.0 or higher, type-A connector\*

Power: Supplied via the USB port

Connection to device: Alligator clip or easy hook

- \* Use a USB connection to connect the Smart HART Modem to a PC. Wi-Fi and Bluetooth connections are not supported.

For details, refer to the specification document (SS2-DFS050-0010) for the Smart HART Modem.



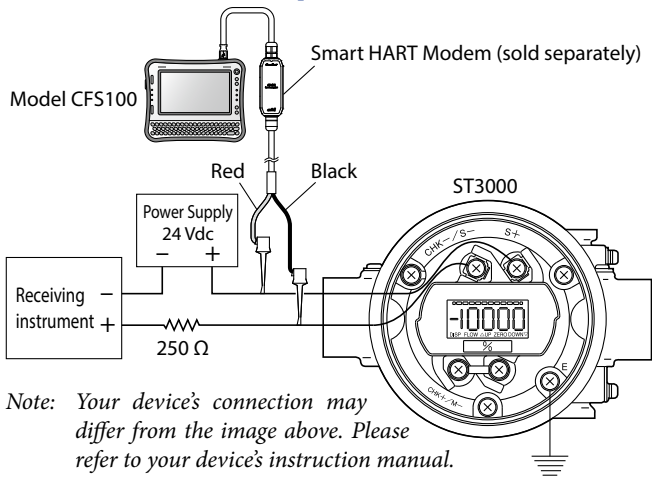
Note: Personal computers are sold separately

## Supported models

Supported Models	Communication Protocol			Operation Manual
	SFN	DE	HART	
Advanced Smart Transmitter Model GTX_	✓	✓	✓	Included with the installation CD-ROM
Advanced Smart Transmitter Model JT_9_ S/W	✓	✓	✓	Included with the installation CD-ROM
ST3000 Smart Transmitter Model JT_9_ A/B	✓	✓	✓	Included with the installation CD-ROM
ST3000 Smart Multivariable Flow Transmitter Model JTD720A	✓	✓	Not supported	Included with the installation CD-ROM
Smart Pressure Transmitter Model PTG60/61/70/71/72	✓	✓	✓	Included with the installation CD-ROM
Advanced Temperature Transmitter Model ATT082	Not supported	Not supported	✓	Refer to the device's manual
Advanced Temperature Transmitter Model ATT60/61/70/71 (In case of SFN/DE communication, can apply for software version 3.5 or later.)	Ver 3.5 or later	Ver 3.5 or later	✓	Included with the installation CD-ROM
Steam Flowmeter Model MVC30/31/32/33A	✓	Not supported	Not supported	Included with the installation CD-ROM
Smart Displacement type Level Transmitter Model SLX110/120	✓	Not supported	Not supported	Included with the installation CD-ROM
Immersion Type Liquid Level Transmitter Model JTL_	✓	Not supported	Not supported	Included with the installation CD-ROM
Smart ESD Device 700 Series for Safety Instrumented Systems Model AVP77_ /78_ /79_	Not supported	Not supported	✓	Refer to the device's manual
Smart Valve Positioner 700 Series Model AVP701/702	Not supported	Not supported	✓	Refer to the device's manual
Smart Valve Positioner 200/300 Series Model AVP20_ /30_ (In case of HART communication, can apply for software version 3.9 or later.)	✓	✓	Ver 3.9 or later	Included with the installation CD-ROM
Smart Valve Positioner 300 Series HART + Travel Transmission Model AVP307	Not supported	Not supported	✓	Refer to the device's manual
Smart Valve Positioner for Rotary Valve Model SVX100/120 (In case of HART communication, can apply for software version 4.A or later.)	✓	✓	Ver 4.A or later	Included with the installation CD-ROM
MagneW PLUS+ Electromagnetic Flowmeter Model MGG10/14C, 15D/F (In case of SFN/DE communication, can apply for software version 6.0 or later. In case of HART communication, can apply for software version 5.0 or later.)	Ver 6.0 or later	Ver 6.0 or later	Ver 5.0 or later	Included with the installation CD-ROM
MagneW Two-wire PLUS+ Electromagnetic Flowmeter Model MTG11A/B, 14C, 15A (In case of SFN/DE communication, can apply for software version 5.0 or later.)	Ver 5.0 or later	Ver 5.0 or later	✓	Included with the installation CD-ROM
In-line Multivariable Vortex Flow Meter Model AX2200/2211/2222/2300/2311/2322 (In case of HART communication, can apply for software version 78.02 or later.)	Not supported	Not supported	Ver 78.02 or later	Refer to the device's manual
Natural Gas Calorimeter Model CVM (S/W Version 1.0-1.4, 2.0)	Not supported	Not supported	✓	Refer to the device's manual

Model CFS100 does not support the devices not manufactured by Azbil Group.

## Connection Example



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

**Figure 1. Example of communication connection.**

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