

FIRMWARE RELEASE HISTORY

ARC MODBUS OPC CONVERTER

REF 10089359

Firmware Release 1.11.2 (June 2026)

For all Arc OPC converters with previous firmware versions.

REF: 10089359

The Arc Modbus OPC Converter firmware upgrade may be done on site by our Technical Support.

New Feature / Improvements	Description
Support of GlucoSense	The GlucoSense Arc sensor is now supported

Firmware Release 1.10.0 (January 2023)

For all Arc OPC converters with previous firmware versions.

REF: 10089359

The Arc Modbus OPC Converter firmware upgrade may be done on site by our Technical Support.

New Feature / Improvements	Description
Support for Dencytee Arc	The Dencytee Arc sensor is now supported
Support for VisiFerm RS485 Family	The VisiFerm RS485 family is now supported
Logo and Favicon addition	Integration of the logo on the home page-Integration of the favicon on Web portal
Addition of Incyte Arc correlation model parameters	Relevant correlation model parameters are now readable over OPC
Select all function	Select All Button in OPC-Tag Filter
Sensor and channel information	Extension of the channel info by the values - Measuring Point - Description of PMC1 - Change of the following values: Device Firmware <-> Supported Firmware
Introduction of TS2 (Technology Standard 2)	- New TS2 calibration coefficients (3,4,5) are supported (for the Dencytee Arc and VisiFerm RS485 families of sensors) - TS2 Total pressure and humidity is added (VisiFerm RS485 and CO₂NTROL sensor families)
Added PMC 3, 4 and 5	Primary measurement channels 3, 4 and 5 were added to aid in addition of future sensors

Firmware Release 1.9.0 (October 2021)

For all Arc OPC converters with FW release number 1.8.2.

REF: 10089359

The Arc Modbus OPC Converter firmware upgrade may be done on site by our Technical Support.

New Feature / Improvements	Description	Advantage	Update
Integration of CO ₂ NTROL Sensors	The Arc Modbus OPC Converter is now compatible with Hamilton CO ₂ NTROL Arc sensors	It is now possible to integrate CO ₂ NTROL sensors into SCADA and other software with OPC servers	Recommended
Web interface update enabling firmware upgrade via ethernet cable	The Arc OPC Converter now allows firmware updates without need to remove the SD memory card	The firmware upgrade has been made more user friendly and compliant to the requirements of those GMP users where SD cards are not allowed. The new firmware update function consent to keep the users and settings established with the previous versions of the firmware.	Recommended
Incyte Arc data as arrays and single values	Incyte Arc Register updates have now been added to allow both single value data as well as the entire array	Now it is possible to transfer single Incyte Arc data instead of having to transfer the entire array. This can benefit all installations where the amount of data transferred may impact the OPC converter performances.	Recommended
New data filter function	To facilitate the integration of the Arc OPC converter, it is possible for each channel and each node to filter the data which will be transmitted to the OPC client/ server. Once a filter is set, the OPC server/ client will consequently receive just the data chosen	It is now possible to filter which data are sent to the SCADA and more in general to the OPC servers. This facilitates the integration with users SCADA/OPC systems, especially with the older generation ones.	Recommended
Service "administrator" account bug fixed	Is not possible anymore to accidentally disable the service administrator account	The new feature ensures that the service administrator can always log in the OPC converter to perform maintenance	Recommended
Parameter settings interface bug fixed	Arc sensors with different communication settings can connect through Arc Wi 1G adapter	Even with different settings, all the Arc sensors compatible with the Arc Modbus OPC Converter are flawlessly detected through the Arc Wi 1G adapter	Recommended
General improvement: operating system upgrade	The Arc OPC Converter Linux operating system has been upgraded to the latest release	The latest version of the operating system enables better compatibility with older and newer version of SCADA and OPC servers. This prevents, for example, unwanted stop of the OPC Converter services.	Recommended

Software Version 1.8.2 (April 2021)

New Feature / Improvements	Description	Advantage	Update
Calibration Coefficients added	Calibration Coefficients added for read only purposes for all available Arc sensors types	Calibration Coefficients are now viewable via OPC	Recommended
Extra Information for Incyte Arc is now accessible over OPC	Information for culture time, inoculate state, sensor recording state, sensor recording name, sensor recording interval, mark zero values of the scan, scan mode and calibration data are now added for read only purposes	The relevant information for advanced Incyte Arc integration is now available via OPC	Recommended
The information for Single Use Arc sensors is now accessible over OPC	Information for the REF, Serial Number, Lot number and Lot date of Single Use element are now added for read only purposes	The relevant information for advanced Single Use integration are now available via OPC	Recommended
Time configuration via NTP Server added	Time configuration via NTP Server is now possible	Time no longer requires manual configuration	Recommended
Ping service is enabled	Device will now respond to a network PING command	Easier network troubleshooting	Recommended

New Feature / Improvements	Description	Advantage	Update
Introduction of a version name for the software version of the OPC Converter	Previously the software version was not visible in the web interface. Now it is possible to view the software version. E.g. Version 1.8.2	It is possible to view the installed software version over the web interface	Recommended
Incorrect IP addresses entered in static IP address field are caught and not stored	When an incorrect IP address is entered into the static IP address area, the incorrect value is caught and not saved	The device no longer needs to be factory reset to restore operation after incorrect static IP address is entered	Recommended
Value for background frequency (fhigh) corrected	The variable for background frequency (fhigh) was previously the same as measurement frequency (fmeas). This has been changed to reflect the correct value.	Correct background frequency (fhigh) value now available via OPC	Recommended