

PROFIBUS Diagnostic Tools

Release History

Version: 2016-09-01

Content

PC Software PROFIBUS Diagnostics Suite (PB-DIAG-SUITE)	2
Firmware PROFIBUS Tester 5 (BC-700-PB)	3
Firmware PROFIBUS Tester 4 (BC-600-PB)	4
Firmware Protocol Analyzers (BC-4x0-PB)	4
Firmware PROFIBUS Inspektor (BC-502-PB)	5

PC Software PROFIBUS Diagnostics Suite (PB-DIAG-SUITE)

Version No.	Release Date	Changes
V3.21	2016-09-01	<ul style="list-style-type: none"> New firmware-release V01.02.02.00 for BC-700-PB integrated into installation disk
V3.20	2016-07-01	<ul style="list-style-type: none"> Supported operating systems: Windows 10, Windows 8.1, Windows 8, Windows 7 (each with 32+64 Bit) Designations for test locations and segments can be defined and downloaded to the BC-700-PB to be used when working in stand-alone mode New oscilloscope trigger mode: Trigger on error frames Spanish and Portuguese (Brazil) added as GUI language New firmware-release V01.02.00.00 for BC-700-PB integrated into installation disk
V3.12	2015-08-20	<ul style="list-style-type: none"> New firmware-release V01.01.05.00 for BC-700-PB integrated into installation disk
V3.11	2015-07-17	<ul style="list-style-type: none"> New firmware-release V01.01.04.00 for BC-700-PB integrated into installation disk
V3.10	2014-11-27	<ul style="list-style-type: none"> New functionality: PROFIBUS PA signal analysis PROFIBUS-Tester 5/ BC-700-PB can be used in conjunction with PROFIBUS PA adapter Report enhanced with test data of PROFIBUS PA signal analysis Bug fixing
V3.00	2014-08-31	<ul style="list-style-type: none"> Supported operating systems: Windows 8, Windows 8.1, Windows 7 (each with 32+64 Bit) and XP Polish and French language of GUI (including test report) Revised user interface with respect to setup dialog, splash screen, start page and Info dialog Supporting test devices of old generations is discontinued (PB-T3, BC-400-PB, BC-450-PB, BC-502-PB) Supporting PROFIBUS Tester 5/ BC-700-PB in PC-controlled operation and in conjunction with import of test data Import cable test results from PROFIBUS Tester BC-700-PB for storing in the integrated explorer Viewing and printing imported cable test results Bug fixing
V2.11	2013-05-31	<ul style="list-style-type: none"> Supported operating systems: Windows 8 (32+64 Bit), Windows 7 (32+64 Bit) and XP All topology scan results can be edited Station scan extended Chinese and Italian language of GUI Bug fixing New appearance of CD-ROM <p>Last release supporting BC-400-PB, BC-450-PB, BC-502-PB and PB-T3)</p>
V2.10	2012-05-31	<ul style="list-style-type: none"> Oscilloscope mode and oscilloscope trigger extended Improvements to the topology scan and to the trend test Location-dependent topology scan Determining the test location Automatic firmware download (software version 2.10 requires firmware version 1.13) Further changes and improvements. For details please refer What Is New in Version 2.10? in online help
V2.05	2010-06-01	<ul style="list-style-type: none"> Comfortable import of Quick Test and Trend data which are stored in the PROFIBUS Tester 4 Improved performance using the Frames function and display filter

V2.04	2010-11-15	<ul style="list-style-type: none"> Supported operating systems: Windows 7 (32+64 Bit), VISTA (32 Bit) and XP Neutral status in network status overview for newly opened networks and new test locations Note regarding double assignment of device addresses Test report: chapter signal analysis optimized, e.g. explanation of abbreviations Additional csv export in function Print Screen Frames Several minor problems fixed, e.g. user input regarding projects, network and test location designations restricted according to Windows conventions
V2.02 Build 739	2010-05-26	<ul style="list-style-type: none"> Full support of BC-502-PB All device and software manuals are available in German and English Installation enabled on systems with special Microsoft Windows security policies Several problems fixed, e.g. uninstalling of old USB device drivers
<p><i>Note: Due to a changed installation procedure at future updates the versions V2.00 and 2.01 will be uninstalled automatically. User data are not affected.</i></p>		
V2.01 Build 713	2010-04-01	<ul style="list-style-type: none"> Full support of BC-400-PB, BC-450-PB and PB-T3 English localisation of Integrated help system (printed manuals German only) Functional improvements Several minor problems fixed
V2.00 Build 673	2010-02-11	<ul style="list-style-type: none"> First release exclusively for BC-600-PB with German localisation

Firmware PROFIBUS Tester 5 (BC-700-PB)

Version No.	Release Date	Changes
V1.02.02.00	2016-09-01	<ul style="list-style-type: none"> Issue causing delays during start-up fixed
V1.02.00.00	2016-05-31	<ul style="list-style-type: none"> Oscilloscope function added in stand-alone mode Non-interacting detection of topological order of stations with indication of distances between the stations in stand-alone mode. Designations of test locations and segments may be defined in PDS and can be downloaded for usage in stand-alone mode.
V1.01.05.00	2015-08-20	<ul style="list-style-type: none"> Suited for HW releases 1.02 and 1.01 of BC-700-PB Improvements in cable test function
V1.01.04.00	2015-07-17	<ul style="list-style-type: none"> Improvements in cable test function
V1.01.03.00	2015-05-29	<ul style="list-style-type: none"> Support of additional languages in device: French, Italian, Polish, Portuguese (Brasil), Spanish
V1.01.02.00	2014-11-27	<ul style="list-style-type: none"> Enhancement: Test functionality for MBP physical layer (PROFIBUS PA)
V1.00.00.10	2014-08-31	<ul style="list-style-type: none"> First release for product launch Extension: Cable test function
V1.00.00.00	2014-05-07	<ul style="list-style-type: none"> First release for field test

Firmware PROFIBUS Tester 4 (BC-600-PB)

Version No.	Release Date	Changes
V1.13 (revision 27)	2014-05-07	<ul style="list-style-type: none"> Internal: redesign due to discontinued electrical component Notation %calibration% has been replaced by %factory setting%
V1.13 (revision 17)	2013-05-31	<ul style="list-style-type: none"> Minor bugfixing
V1.13	2012-05-31	<ul style="list-style-type: none"> Live status extended: Determining the test location (processing RTS signal) Improvements to signal quality test: Timeout value adjustable in stand-alone mode Language selection provided in factory default settings Improvements to USB device recognition
V1.12	2011-06-01	<ul style="list-style-type: none"> Quick Tests without PC or Notebook <ul style="list-style-type: none"> 10 internal memory locations Import by PC software Long-term Trend without PC or Notebook <ul style="list-style-type: none"> Logs up to 41 days Import by PC software Display localizations: DE, EN, FR, IT, PL and ES (without special national chars)
V1.11	2010-11-15	<ul style="list-style-type: none"> Live Status function extended <ul style="list-style-type: none"> Critical events in bus communication Bus status overview with substatus display for bus communication and bus physics Faster detection of added and dropped bus devices Improved station scan on disturbed networks Optimisation and problem fix with baud rate detection and USB communication
V1.09	2010-05-25	<ul style="list-style-type: none"> Stand-alone mode . Live Status: detection of added and dropped bus devices Optimisation of user command processing
V1.04	2010-04-05	<ul style="list-style-type: none"> Stand-alone mode: English localisation of display language Problem fix oscillogram recording
V1.02	2010-03-31-	<ul style="list-style-type: none"> Optimisation, e.g. baud rate detection and topology scan
V1.00.01	2010-02-02	<ul style="list-style-type: none"> First release

Firmware Protocol Analyzers (BC-4x0-PB)

The Protocol Analyzers BC-400-PB and BC-450-PB are discontinued and no more available. The last suitable release of the PROFIBUS Diagnostic Suite is V2.11

Version No.	Release Date	Changes
V1.27	2012-02-28	<ul style="list-style-type: none"> Optimisation of USB communication
V1.26	2010-03-31	<ul style="list-style-type: none"> Optimisation time stamps and USB communication
V1.25	2010-01-27	<ul style="list-style-type: none"> First release with new PC SW PROFIBUS Diagnostics Suite
<i>The last independent PC SW version was V1.30 with corresponding FW V1.23.</i>		

Firmware PROFIBUS Inspektor (BC-502-PB)

Note: This firmware has to be updated via the web interface.

Version No.	Release Date	Changes
V2.11.2	25.02.2013	<u>Web-Interface</u> <ul style="list-style-type: none"> Supporting new web browsers Improved alarm list sorting New product designation: %PROFIBUS Monitor+ PROFIBUS Improved recognition of failed stations Improved display of unknown stations
V2.11.1	20.10.2011	<u>Web-Interface</u> <ul style="list-style-type: none"> Protocol data and snapshots can be downloaded in ZIP-format Protocol view: new printing option and entry field for descriptive information <u>PROFIBUS</u> <ul style="list-style-type: none"> Detection/ alarming of failed token passings is possible Baudrate scan starts automatically when network is inactive Improved detection of failed slaves Improved detection of slaves on non-standard systems
V2.10.0	19.08.2011	<u>Web-Interface</u> <ul style="list-style-type: none"> Measuring data report Detection of bus breakdowns with alarm and additional snapshot Providing of the last 500 diagnostic messages in a an additional new snapshot Extended default file name of snapshots Calculation of a characteristic value of the fieldbus condition 0..100% Standard language EN or DE is selectable <u>PROFIBUS</u> <ul style="list-style-type: none"> Detection of dropped slaves (not only restarts) Detection of slaves which are not engineered in PLC Improved multi-master system detection <u>Network</u> <ul style="list-style-type: none"> SNMP trap max. every 5 s
V2.00.6	2010-11-10	<u>Web interface</u> <ul style="list-style-type: none"> Station scan on disturbed networks optimized Configuration of time and time zones combined on one page Support and configuration of time zones, summer time, and local time zones Consistent display of a temperature of -100°C at device startup Problem fixed with time stamps in snapshots and events SNMP cycle times now indicated in microseconds Default entries in SNMP area changed <u>USB</u> <ul style="list-style-type: none"> Optional protocol analyzer mode via USB fully functional

V2.00.4	2009-09-10	<p><u>Web interface</u></p> <ul style="list-style-type: none"> • Network overview: update of device designations fixed • English localization: linking and texts • More detailed messages at network problems • Device 127 is not any longer indicated • Default values for Device names and locations begin with 0 (like bus addresses) • License designations • Firmware update: Improved status display and return back to the start-up page after 2 minutes <p><u>PROFIBUS</u></p> <ul style="list-style-type: none"> • Snapshots: frame ID when triggering on repeated frames • Alarms/Snapshots: repetitions per bus cycle • Telegram processing with service CLOCK_VALUE • Detection of parity errors <p><u>Network</u></p> <ul style="list-style-type: none"> • SNMP demon: license-dependent activation • DHCP behaviour
V2.00.3	2009-05-04	<ul style="list-style-type: none"> • Product launch