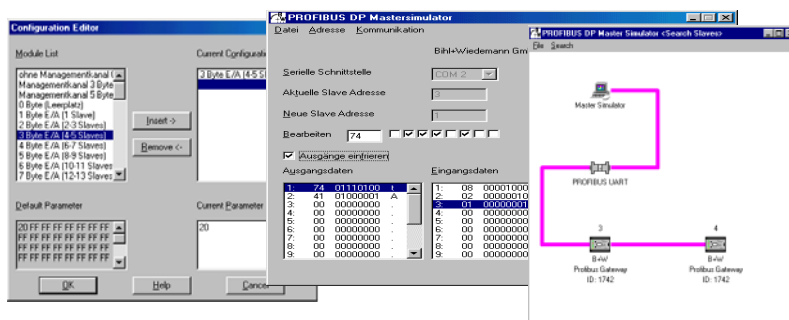


## Monitoring Software for PROFIBUS DP Slaves

### PROFIBUS UART



The PROFIBUS DP Master Simulator is an easy to use software for data exchange with PROFIBUS slaves of many suppliers via PROFIBUS DP. The PROFIBUS DP Master Simulator can exchange data with many PROFIBUS slaves even without GSD-file or type-file. The PROFIBUS slaves can be put into operation with the default I/O window. Input data can be read and output data can be written. Furthermore the PROFIBUS DP Master Simulator also processes GSD-files. User parameters can be edited and the configuration can be modified and stored. The PROFIBUS station address can be changed as well with the PROFIBUS DP Master Simulator, this is useful for PROFIBUS I/O modules in protection class IP67 without addressing switches.

The PROFIBUS DP Master Simulator offers the possibility to scan a PROFIBUS network for connected slaves and display them in a graphical way. In this case the PROFIBUS UART has to be connected directly to a PROFIBUS slave. The I/O data and the PROFIBUS user diagnosis can be displayed binary, hexadecimal and now also as ASCII code. The PROFIBUS output data can be transmitted consistently to the PROFIBUS slave. In type

mode it is possible to set an output as long as the mouse button is pressed.

In addition, BW1257 supports a Log function as well as PROFIBUS DP V1. PROFIBUS slaves can be operated in the acyclic mode DP V1. This is helpful especially for the commissioning of complex field devices like drives, modular I/O systems etc.

The PROFIBUS Master Simulator consists of the software and the **PROFIBUS UART** which is the ideal interface converter between the RS 232 interface of a PC and the PROFIBUS slave. The **UART** does not need any additional external power supply. Therefore it is also suitable for mobile use with a laptop or a notebook. The **PROFIBUS UART** is simply inserted between the PROFIBUS slave and RS 232 connector cable.

Beside the software "PROFIBUS DP Mastersimulator" now **DLL drivers** for Windows 95/98, Windows NT as well as examples written in C are available for download on the homepage. This offers the possibility to **use the PROFIBUS UART in an application in combination with an own software**. However the PROFIBUS UART is a monitoring and commissioning tool for PROFIBUS slaves, it is not designed to control automation processes.

| Article no.                  | BW1131   | BW1257                        |
|------------------------------|--|-------------------------------|
| <b>General data</b>          |  |                               |
| Name                         | PROFIBUS-UART DP V0  | PROFIBUS-UART DP V0 and DP V1 |
| Interfaces                   | Standard PC RS 232-interface with 9-pin D-sub-plug (female)<br>RS 485-interface with 9-pin D-sub-plug (male)                     |                               |
| Power supply                 | Powered from the RS 485 interface of the PROFIBUS slave (5 V)  |                               |
| Operating current            | < 60 mA  |                               |
| Cable length                 | RS 232 and RS 485: max. 2 m  |                               |
| Transfer rate                | 19 200 Baud  |                               |
| <b>Installation</b>          |  |                               |
| Technical requirements       | IBM compatible PC since 80386  |                               |
| <b>System requirements</b>   |  |                               |
| Operating system             | Windows 98 / Windows NT4 / Windows Me / Windows 2000 / Windows XP / Windows 7 (32 Bit or 64 Bit) / Windows 10 (32 Bit or 64 Bit) |                               |
| <b>Environment</b>           |  |                               |
| Operating temperature        | 0 °C ... +55 °C  |                               |
| Storage temperature          | -25 °C ... +70 °C  |                               |
| Dimensions (W / H / D in mm) | 63 / 34 / 17   |                               |

# PROFIBUS DP Master Simulator



| Specification |  |
|---------------|--|
| Specification | <ul style="list-style-type: none"> <li>•Software: PROFIBUS-DP Master Simulator</li> <li>•PROFIBUS-UART</li> <li>•D-sub data cable</li> </ul> |
|               | 32 Bit DLL an examples (in C as source code) are available for download on the homepage and are not delivered with                           |

